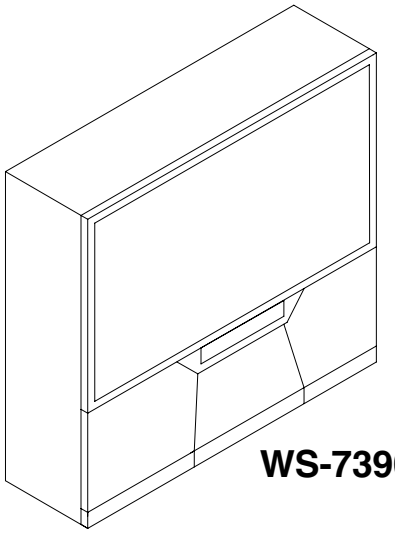
2000

MITSUBISHI ELECTRIC

Service Manual

PROJECTION TELEVISION
V17 / V17+ / V17++ CHASSIS



WS-73907

V17 MODELS	V17+ MODELS	V17++ MODELS
WT-46807	WS-55857	WS-55907
WS-55807	WS-65857	WS-65907
WS-65807		WS-73907

CAUTION:
Before servicing this chassis, it is important that the service person read the "SAFETY PRECAUTIONS" and "PRODUCT SAFETY NOTICE" contained in this manual.

SPECIFICATIONS

- **Power** : AC 120V, 60Hz, 320W
- **Frequency Range** : VHF 54 ~ 470MHz
  UHF 470 ~ 806MHz
- **Antenna Input** : VHF/UHF 75Ω unbalanced
  Single axis input
- **CRT Size** : [WT-46807 / WS-55807 / WS-65807
  WS-55857 / WS-65857 / WS-55907
  WS-65907] 7 inches [WS-73907] 9 inches
- **High Voltage** : 32.0kV (at 0A)
- **Speaker** : [WT-46807 / WS-55807 / WS-65807
  WS-55857 / WS-65857]
  5" round type, full range 2 pcs. (8Ω 10W)
  : [WS-55907 / WS-65907 / WS-73907]
  5" round type, full range 2 pcs. (8Ω 10W)
  2" round type, tweeter 2 pcs. (8Ω 10W)
- **Weight** : [WT-46807] 121 lbs
  : [WS-55807] 250 lbs
  : [WS-65807] 323 lbs
  : [WS-55857] 243.5 lbs
  : [WS-65857] 321.5 lbs
  : [WS-55907] 256 lbs
  : [WS-65907] 348 lbs
  : [WS-73907] 405 lbs
- **Cabinet Dimensions** : [Model] (H)x(W)x(D)
  : [WT-46807] 37.4"x41.6"x28"
  : [WS-55807] 51.6"x50.6"x28.3"
  : [WS-65807] 61.8"x58.7"x27.5"
  : [WS-55857] 51.9"x50.7"x28.2"
  : [WS-65857] 61.9"x59"x28.2"
  : [WS-55907] 51.5"x49.9"x28.1"
  : [WS-65907] 61.6"x58.2"x28.2"
  : [WS-73907] 65.7"x64.3"x29.8"
- **Input Level** : VIDEO IN JACK (RCA Type)
  1.0Vp-p 75Ω unbalanced
  : AUDIO IN JACK (RCA Type)
  -4.7dBm 43kΩ unbalanced
  : S-VIDEO IN JACK
  (Y/C separate type)
  Y:1.0 Vp-p C:0.286Vp-p(BURST)
  75Ω unbalanced
  : DVD / Y, Cr, Cb (RCA Type)
  Y: 1.0 Vp-p Cr, Cb: 700mVp-p
  : ATV / Y(G), Pr(R), Pb(B), H, V
  Y: 1.0Vp-p with sync 75Ω (BNC)
  Pr, Pb: 700mV 75Ω
  H, V: 3.0Vp-p 75Ω
- **Output Level** : VIDEO OUT JACK (RCA Type)
  1.0Vp-p 75Ω unbalanced
  : AUDIO OUT JACK (RCA Type)
  -4.7dBm 4.7kΩ unbalanced

- Weight and dimensions shown are approximate.
- Design specifications are subject to change without notice.

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INTRODUCTION

This service manual provides service instructions for PTV Models WT-46807, WS-55807 and WS-65807 which use the V17 chassis, PTV Models WS-559857, and WS-65857 which use the V17+ chassis, and PTV Models WS-55907, WS-65907 and WS-73907 which use the V17++ chassis. Service personnel should read this manual thoroughly before servicing these chassis.

This service manual includes:

1. Assembly and disassembly instructions for the front and rear cabinet components.
2. Servicing of the Lenticular Screen and Fresnel Lens.
3. Servicing printed circuit boards (PCBs).
4. CRT replacement procedure.
5. Electrical adjustments.
6. Chip parts replacement procedures.
7. Circuit path diagrams.

The parts list section of this service manual includes:

1. Cabinet and screen parts.
2. Electrical parts.

Schematic and block diagrams of the above listed models are included in this service manual for better understanding of the circuitry. PCB drawings are also included for easy location of parts and test points.

PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in television receivers have special safety related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc.

Replacement parts which have special safety characteristics are identified in this service manual.

Electrical components having such features are identified by shading in the schematics and by **bold type** in the parts list of this service manual. **The replacement for any safety part should be identical in value and characteristics.**

SAFETY PRECAUTIONS

NOTICE: Observe all cautions and safety related notes located inside the receiver cabinet and on the receiver chassis.

WARNING:

1. Operation of this receiver outside the cabinet or with the cover removed presents a shock hazard from the receiver's power supplies. Work on the receiver should not be attempted by anyone who is not thoroughly familiar with the precautions necessary when working on high voltage equipment.
2. Do not install, remove or handle the picture tubes in any manner unless shatterproof goggles are worn. People not so equipped should be kept away while the picture tube is being handled. Keep the picture tube away from the body while handling.
3. When service is required, observe the original lead dress. Extra precaution should be taken to assure correct lead dress in the high voltage area. Where a short-circuit has occurred, replace those components that indicate evidence of overheating.

X-Radiation warning

The surface of the cathode ray tubes (CRTs) may generate X-Radiation, so take proper precautions when servicing. It is recommended that a lead apron be used for shielding while handling the CRT. Use this method if possible.

When replacing the CRTs, use only the designated replacement part since it is a critical component with regard to X-Radiation. High voltage must be set as prescribed under the section titled Electrical Adjustments.

Leakage current check

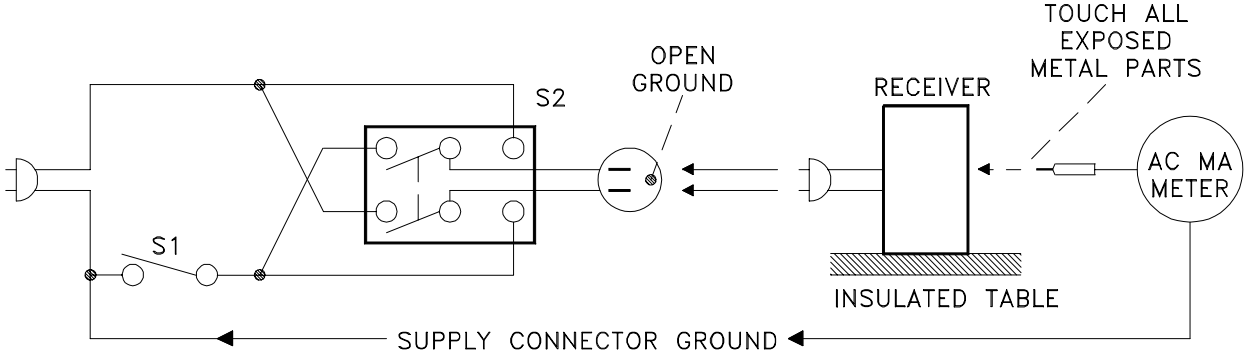
Before returning the receiver to the customer, it is recommended that leakage current be measured according to the following methods.

1. *Cold Check*

   With the alternating current (AC) plug removed from the AC source, place a jumper across the two AC plug prongs. Connect one lead of an ohm meter to the AC plug and touch the other lead to each exposed metal part (i.e. antennas, handle bracket, metal cabinet, screw heads, metal overlay, control shafts, etc.), particularly any exposed metal part that has a return path to the chassis. The resistance of the exposed metal parts having a return path to the chassis **should be a minimum of 1Mega Ohm**. Any resistance below this value indicates an abnormal condition and requires corrective action.

2. *Hot Check ...Use the circuit shown below to perform the hot check test.*

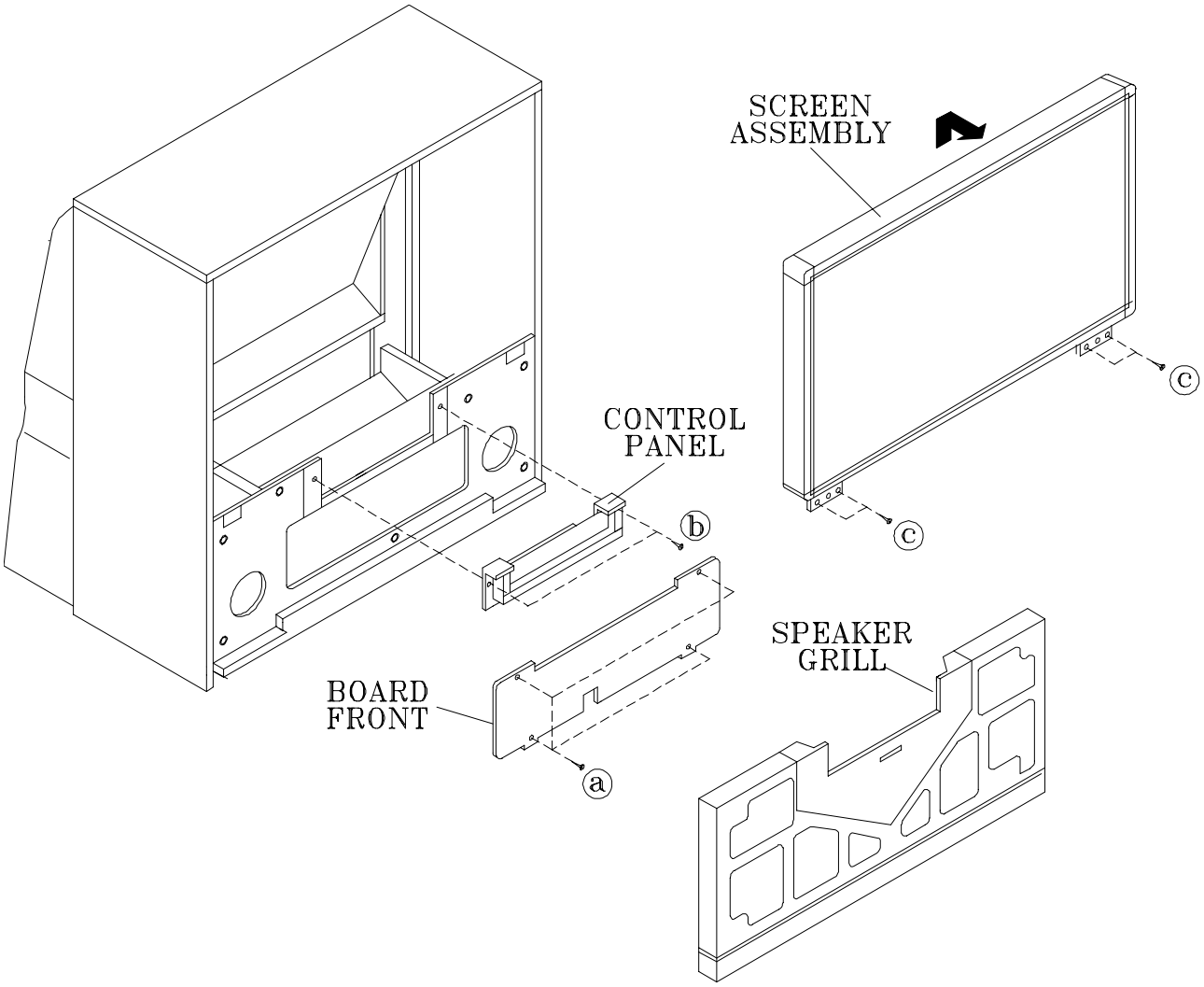
   1. Keep switch S1 open and connect the receiver to the measuring circuit. Immediately after connection, and with the switching devices of the receiver in their operating positions, measure the leakage current for both positions of switch S2.
   2. Close switch S1, energizing the receiver. Immediately after closing switch S1, and with the switching devices of the receiver in their operating positions, measure the leakage current for both positions of switch S2. Repeat the current measurements of items 1 and 2 after the receiver has reached thermal stabilization. **The leakage current must not exceed 0.5 milliampere (mA).**



CABINET DISASSEMBLY (FRONT VIEW)

WT-46807

***Refer to the Parts List for Part Numbers**



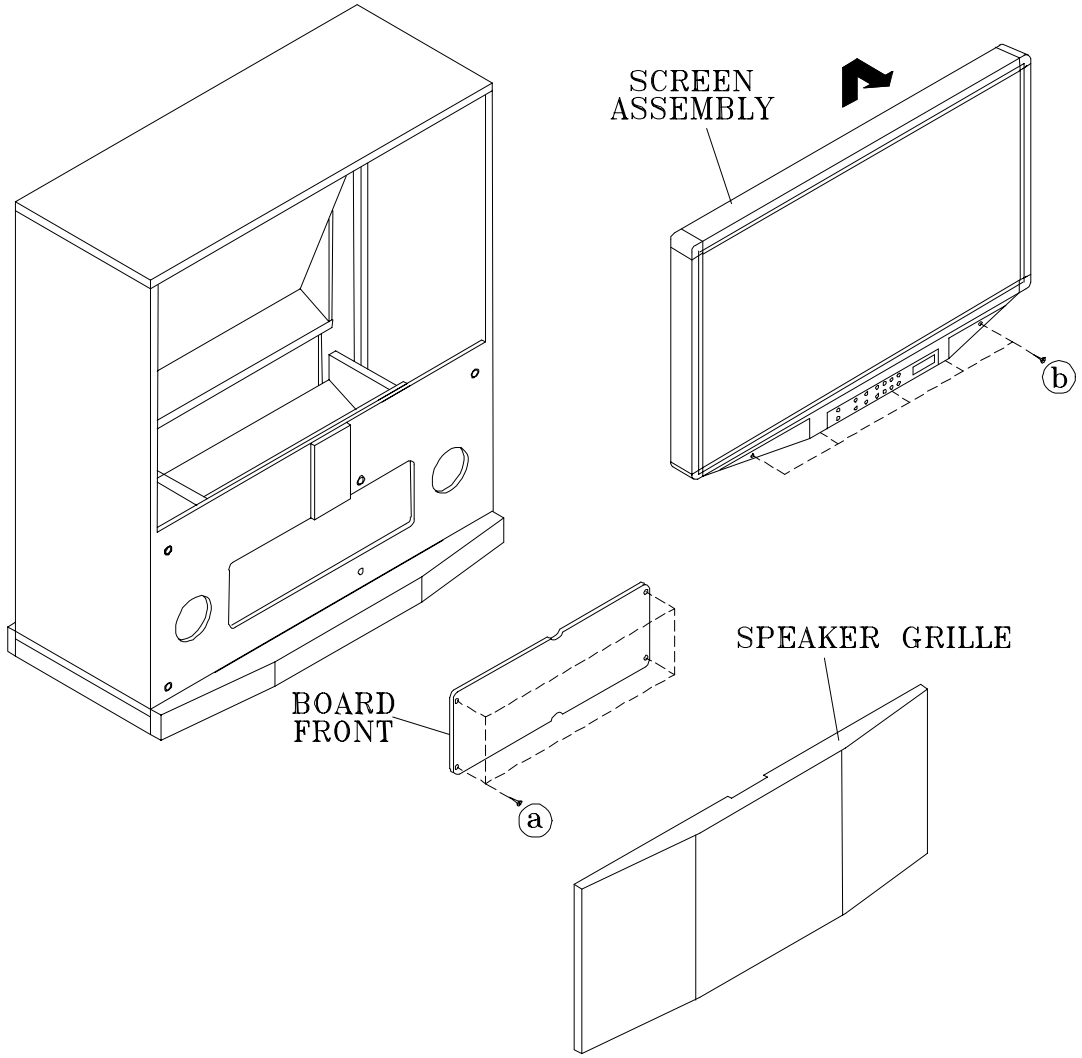
1a. Front Cabinet Disassembly

1. Remove the Speaker Grille by pulling forward.
2. Remove 2 screws (b) to remove the Control Panel.
3. Remove the Board Front by removing 4 screws (a).
4. Remove the 4 screws (c) holding the Screen Assembly.
5. Lift the Screen Assembly up and away from the cabinet.

CABINET DISASSEMBLY (FRONT VIEW)

WS-55807 / WS-65807

***Refer to the Parts List for Part Numbers**



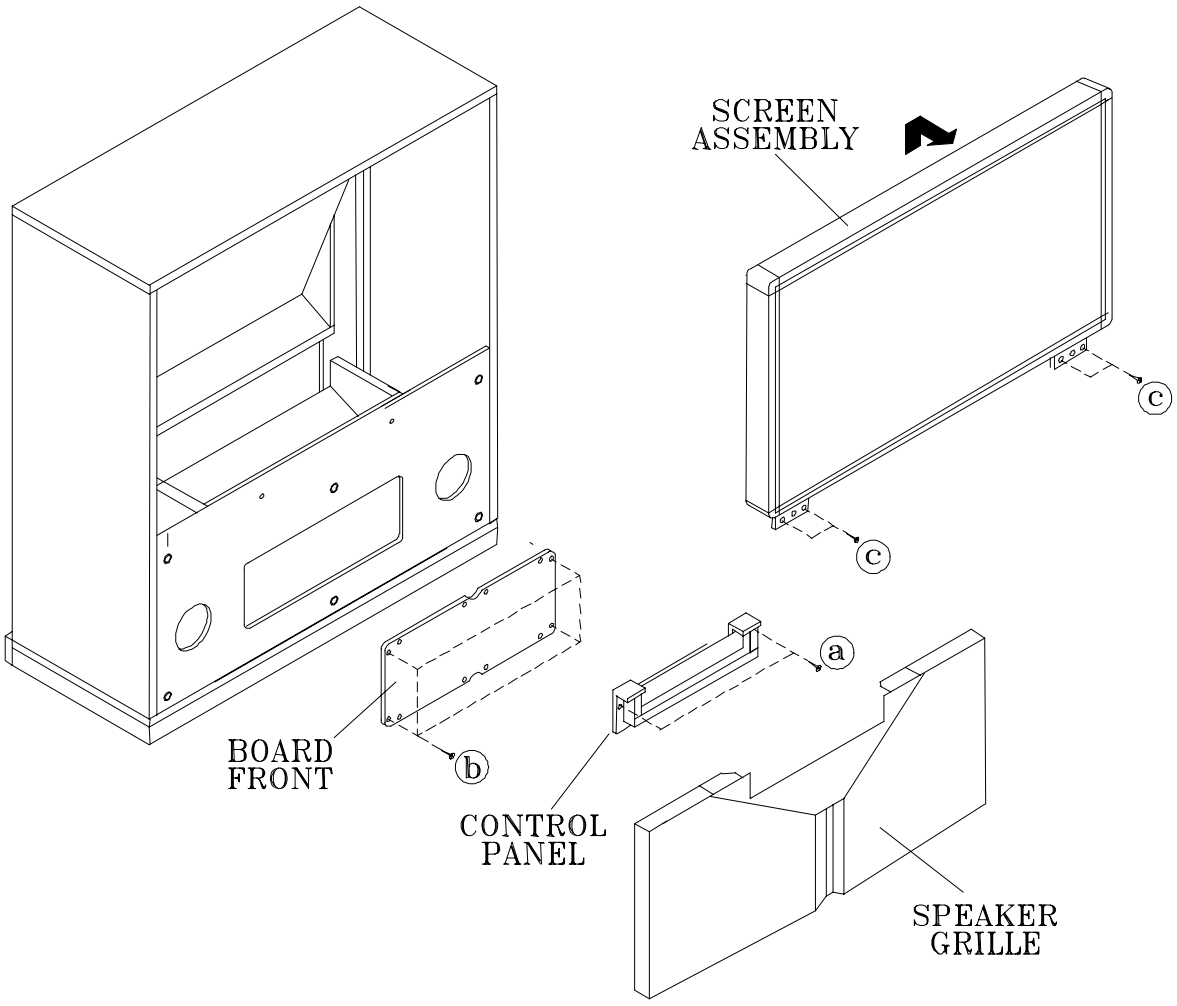
1b. Front Cabinet Disassembly

1. Remove the Speaker Grille by pulling forward.
2. Remove the Board Front by removing 4 screws (a).
3. Remove the 5 screws (b) holding the Screen Assembly.
4. Lift the Screen Assembly up and away from the cabinet.

CABINET DISASSEMBLY (FRONT VIEW)

WS-55857 / WS-65857

***Refer to the Parts List for Part Numbers**



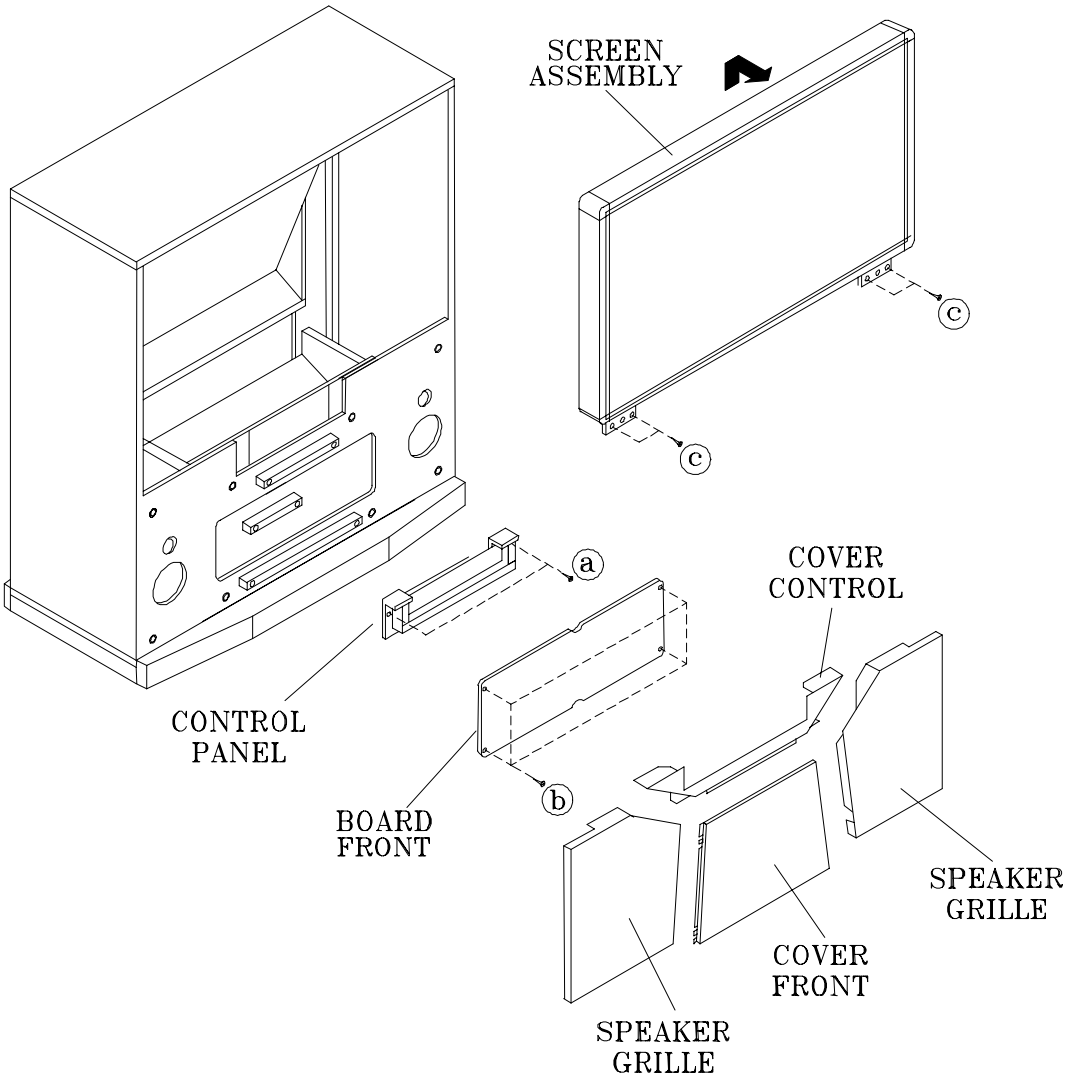
1c. Front Cabinet Disassembly

1. Remove the Speaker Grille by pulling forward.
2. Remove 2 screws (a) to remove the Control Panel.
3. Remove the Board Front by removing 4 screws (b).
4. Remove the 4 screws (c) holding the Screen Assembly.
5. Lift the Screen Assembly up and away from the cabinet.

CABINET DISASSEMBLY (FRONT VIEW)

WS-55907 / WS-65907 / WS-73907

***Refer to the Parts List for Part Numbers**



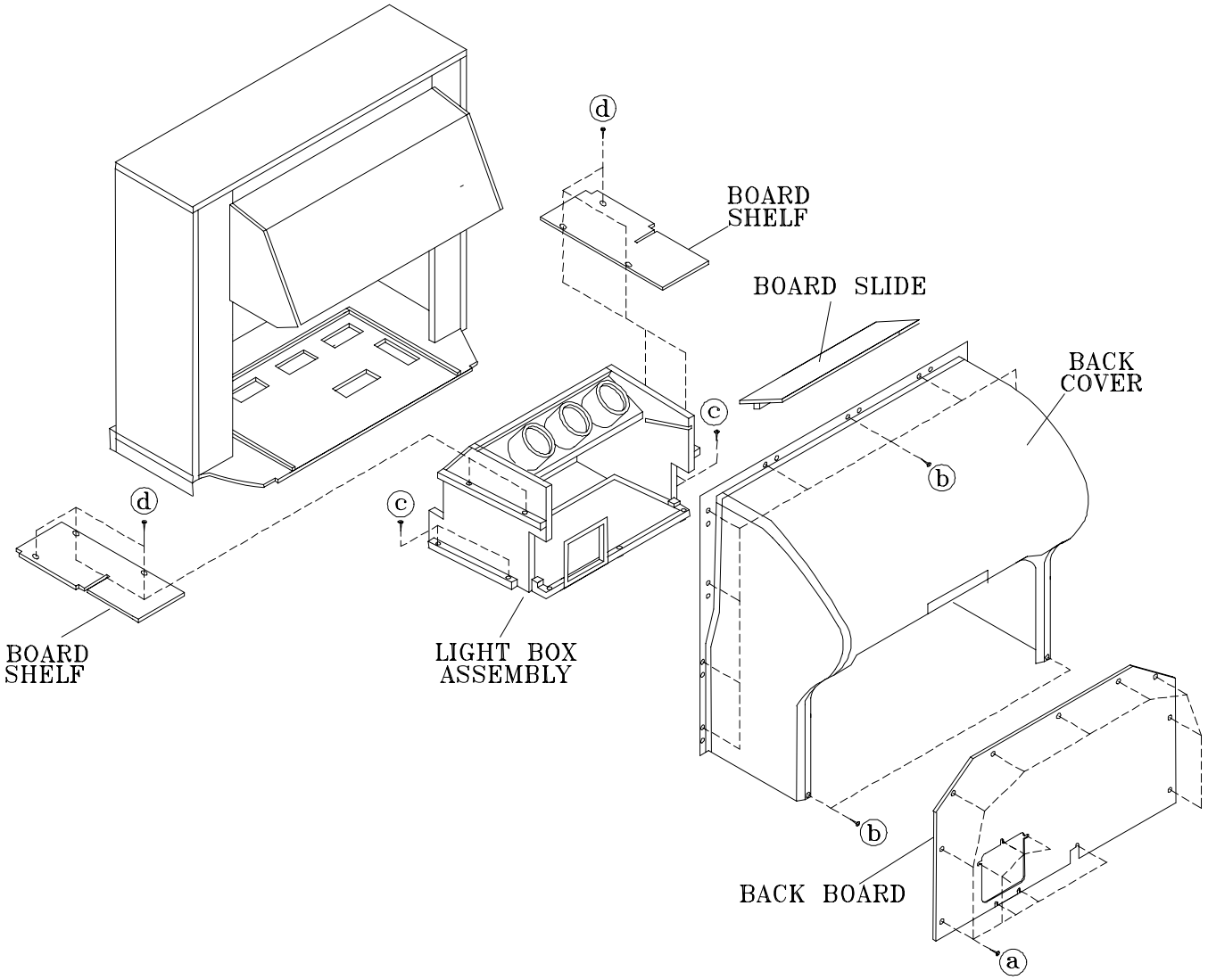
1d. Front Cabinet Disassembly

1. Remove the Cover Front, the two Speaker Grilles and Cover Control by pulling forward.
2. Remove 2 screws (a) to remove the Control Panel.
3. Remove the Board Front by removing 4 screws (b).
4. Remove the 4 screws (c) holding the Screen Assembly.
5. Lift the Screen Assembly up and away from the cabinet.

CABINET DISASSEMBLY (REAR VIEW)

WT-46807

***Refer to the Parts List for Part Numbers**



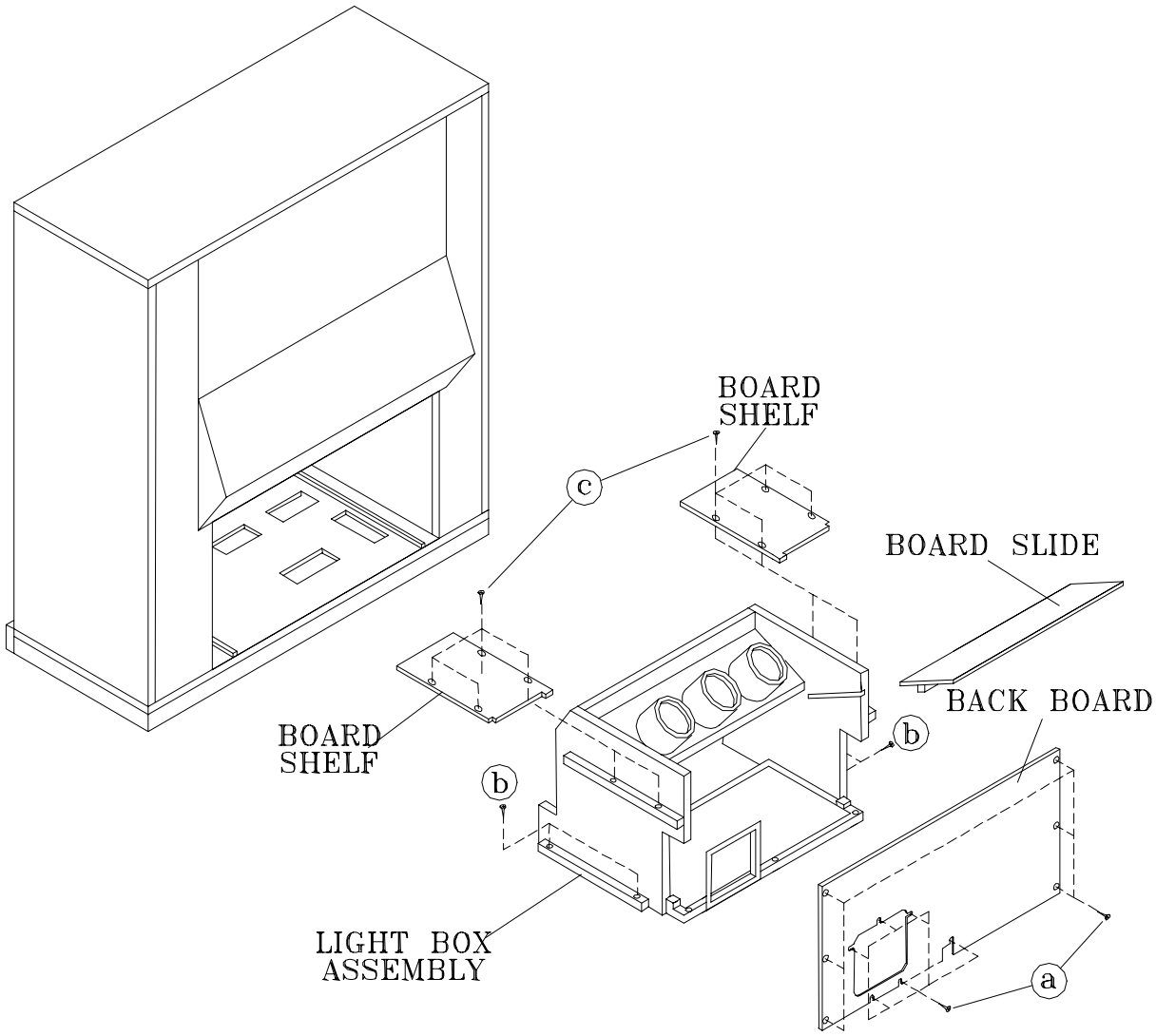
2a. Rear Cabinet Disassembly

1. Remove 15 screws (a) holding the Back Board.
2. Remove the 13 screws (b) holding the Back Cover.
3. Remove the 3 screws (d) securing each Board Shelf.
3. Remove the 4 screws (c) securing the Light Box Assembly.
4. Slide the Light Box out the rear of the Cabinet.

CABINET DISASSEMBLY (REAR VIEW)

WS-55807 / WS-55857 / WS-55907 / WS-65807 / WS-65857 / WS-65907 / WS-73907

***Refer to the Parts List for Part Numbers**



2b. Rear Cabinet Disassembly

1. Remove 12 screws (a) holding the Back Board.
2. Remove the 4 screws (c) holding each Board Shelf.
3. Remove the 4 screws (b) securing the Light Box Assembly.
4. Slide the Light Box out the rear of the Cabinet.

CABINET SEPARATION PROCEDURE

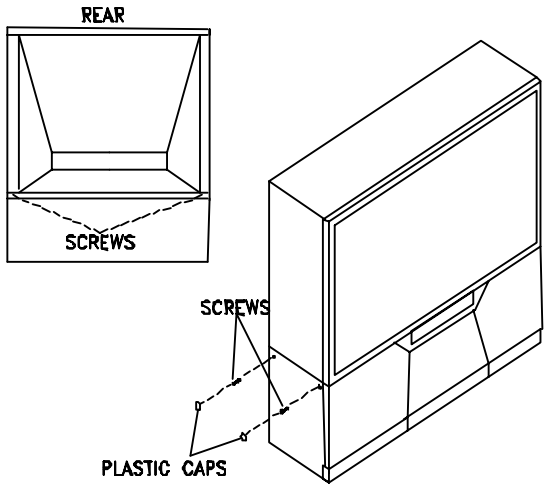
MODELS: WS-65807, WS-65857, WS-65907, WS-73907

The cabinets for the above models are assembled in two pieces. The two pieces may be separated to allow easier delivery and setup. The following instructions show how to safely separate and re-attach the cabinets.

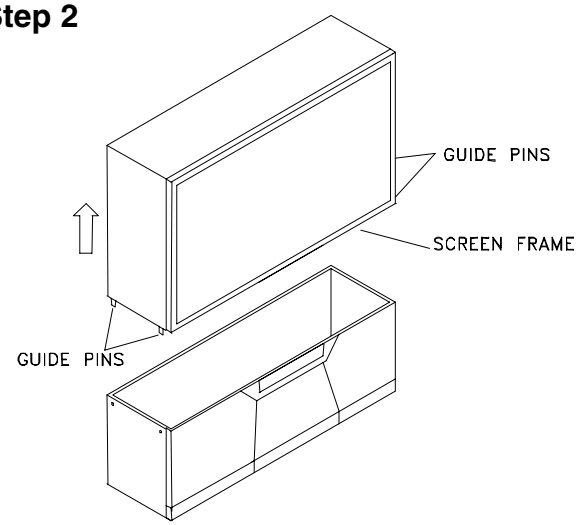
Note: *The guide pins under the cabinet top are prone to breakage if mishandled. Be sure to keep the cabinet top straight when removing, setting down and re-installing, being careful not to tilt backward or forward on the guide pins.*

1) Remove the lower screw from each side of the TV back. On both sides, pull off the two plastic caps, and remove the two exposed screws.
2) Lift the cabinet top straight up until the guide pins clear the holes in the bottom cabinet. **DO NOT** use the screen frame when lifting the cabinet top.
3) Carefully place the cabinet top onto the floor.
4) When reassembling, set the cabinet top on the bottom. Be sure the guide pins align with the holes in the cabinet bottom. Keep your fingers clear of the edges being joined. Replace the caps and screws that were removed in step 1.

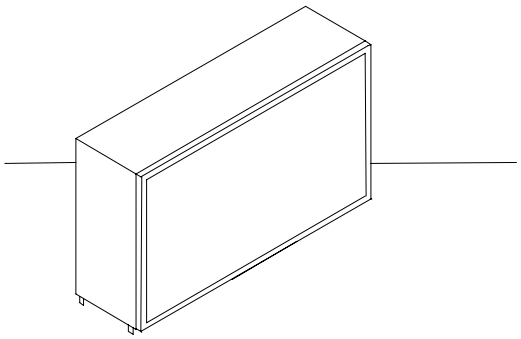
Step 1



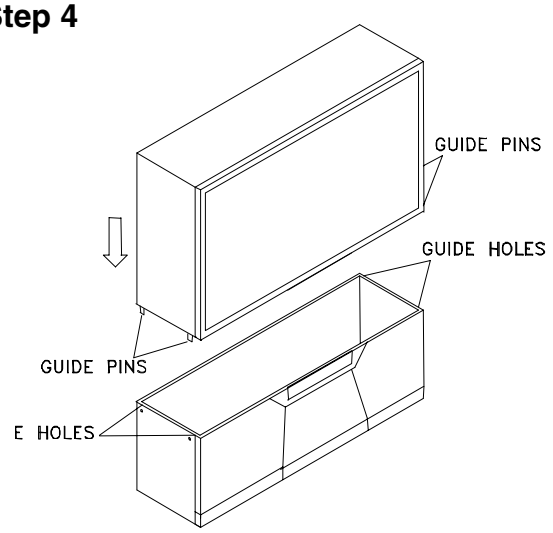
Step 2



Step 3



Step 4



SERVICING THE LENTICULAR SCREEN AND FRESNEL LENS

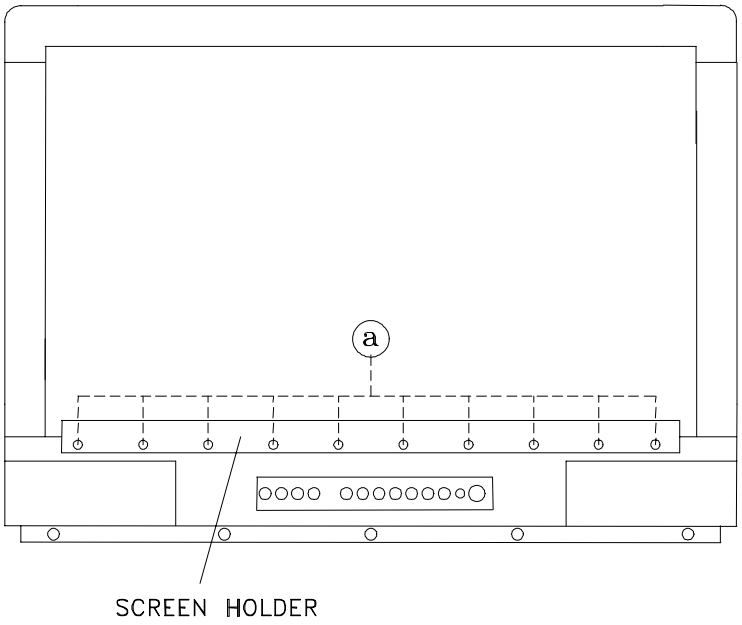
CAUTION: **Wear gloves** when handling the Lenticular Screen and Fresnel Lens. This prevents cuts and finger prints. **Do not place Fresnel Lens in the sun**. This may cause fire and heat related injuries.

WS-55807 / WS-65807

1a. Lenticular Screen and Fresnel Lens Removal

1. Remove the screen assembly as shown in the Cabinet Disassembly procedure.
2. Remove the screws (a) securing the Screen Holder.
3. Slide the Lenticular Screen and Fesnel Lens from the Screen Frame.

Note: When separating the Lenticular Screen from the Fresnel Lens, use caution while prying the Screen and Lens apart. Use a slot type screw drive, and remove the pressure sensitive double sided tape.



SERVICING THE LENTICULAR SCREEN AND FRESNEL LENS

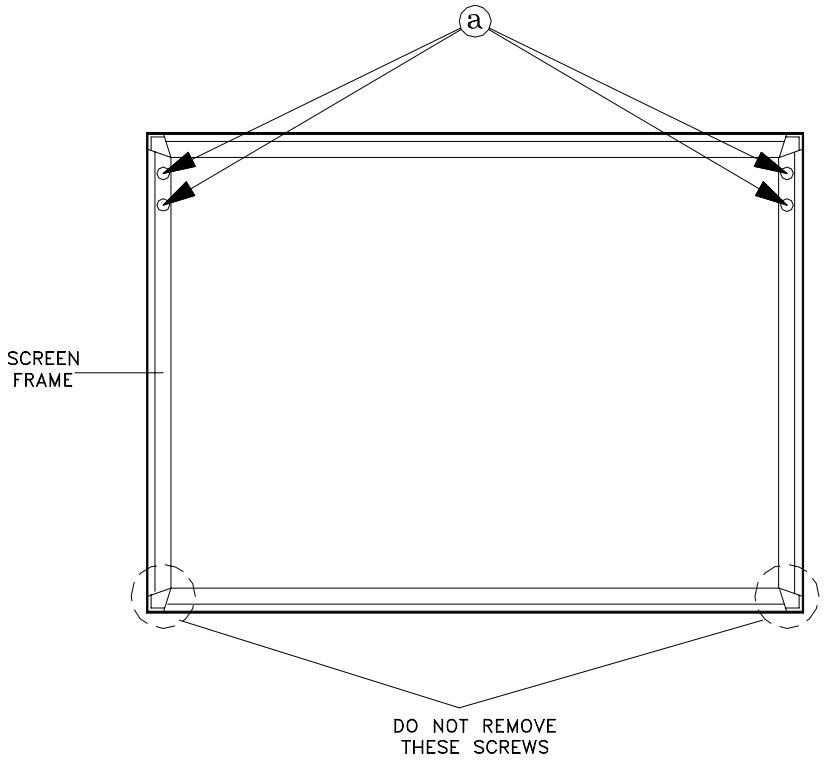
CAUTION: **Wear gloves** when handling the Lenticular Screen and Fresnel Lens. This prevents cuts and finger prints. **Do not place Fresnel Lens in the sun**. This may cause fire and heat related injuries.

WS-55857 / WS-65857 / WS-55907 / WS-65907 / WS-73907 / WT-46807

1a. Lenticular Screen and Fresnel Lens Removal

1. Remove the screen assembly as shown in the Cabinet Disassembly procedure.
2. Remove the Screen Frame top section by removing 4 screws (a).
3. Carefully grasp the Lenticular Screen and Fresnel Lens combination and pull upward and out of the Screen Frame Assembly.

Note: When separating the Lenticular Screen from the Fresnel Lens, use caution while prying the Screen and Lens apart. Use a slot type screw drive, and remove the pressure sensitive double sided tape.

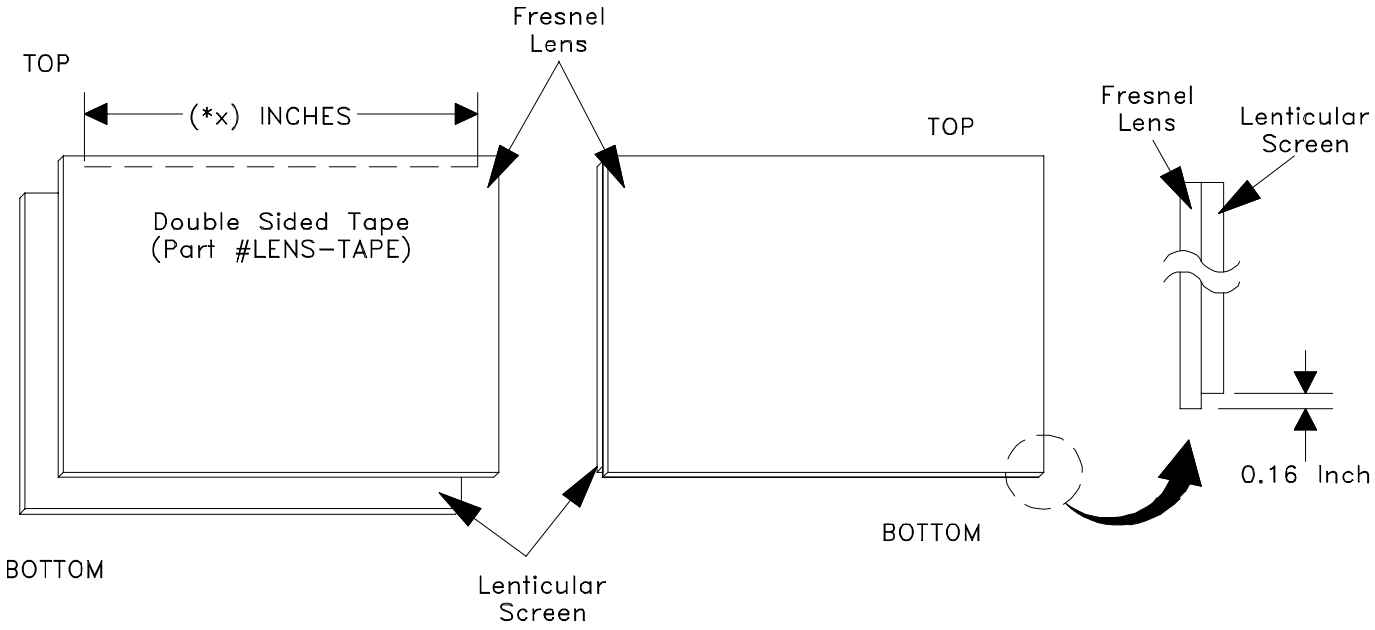


SERVICING THE LENTICULAR SCREEN AND FRESNEL LENS

2. Lenticular Screen and Fresnel Lens Installation.

Note: Store the Lenticular Screen and Fresnel Lens in a cool dry place. High humidity may deform the Lenticular Screen and Fresnel Lens.

1. Apply double coated tape (Part # LENS-TAPE) along the top front edge of the Fresnel Lens as shown below. Refer to the Table below for proper tape length.
2. Place the Fresnel Lens on top of the Lenticular Screen and apply pressure at the top edge to bond them together as shown below.



Model	Screen Size	Tape Length
WT-46807	46"	40"
WS-55807	55"	47.8"
WS-55857	55"	47.8"
WS-65807	65"	56.5"
WS-65857	65"	56.5"
WS-65907	65"	56.5"
WS-73907	73"	63.5"

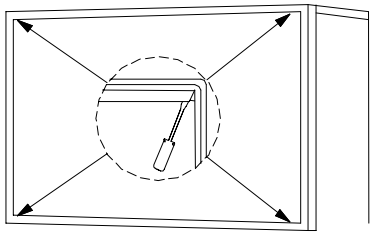
SERVICING THE DIAMONDSHIELD™

1. DiamondShield™ Removal Procedure

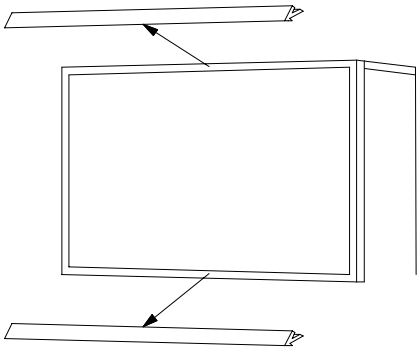
The location of the DiamondShield™ molding clips varies between models, top and bottom, or sides. Use the appropriate disassembly procedure given below.

Note: ***Wear gloves when handling the DiamondShield™ to prevent finger prints.***

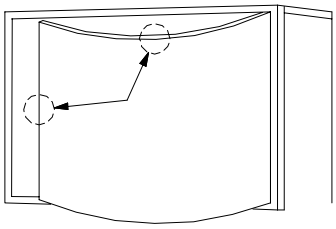
Top & Bottom Molding Clips



1. Gently insert a small screwdriver between the DiamondShield™ and one end of the clip to pry the clip loose.

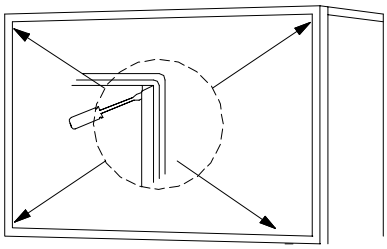


2. Remove both clips by pulling them toward you.

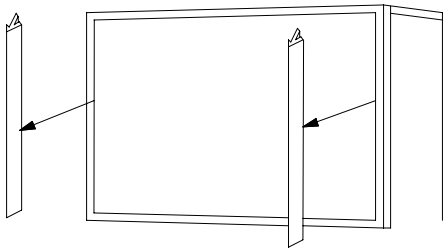


3. Carefully insert a small screwdriver into the gap at the top/center point of the Shield and pull the Shield slightly away from the unit. Place your hands at the points shown and gently bow the Shield toward you and remove from the unit. Then re-install the two clips.

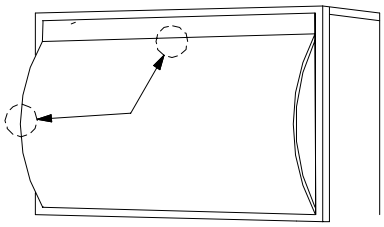
Side Molding Clips



1. Gently insert a small screwdriver between the DiamondShield™ and one end of the clip to pry the clip loose.



2. Remove both clips by pulling them toward you.



3. Carefully insert a small screwdriver into the gap at the side/center point of the Shield and pull the Shield slightly away from the unit. Place your hands at the points shown and gently bow the Shield toward you and remove from the unit. Then re-install the two clips.

2. DiamondShield™ Installation Procedure

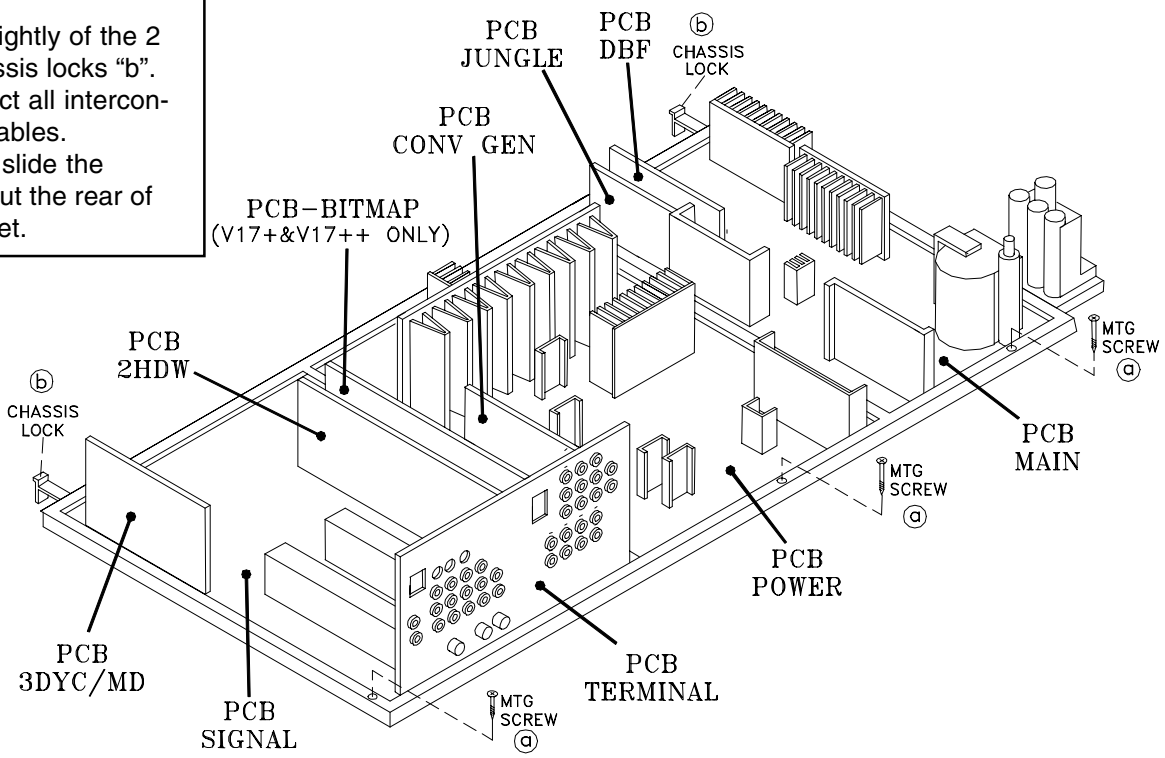
*(See the Parts List for DiamondShield™ part numbers)

To install the DiamondShield™, reverse the above Removal Procedure.

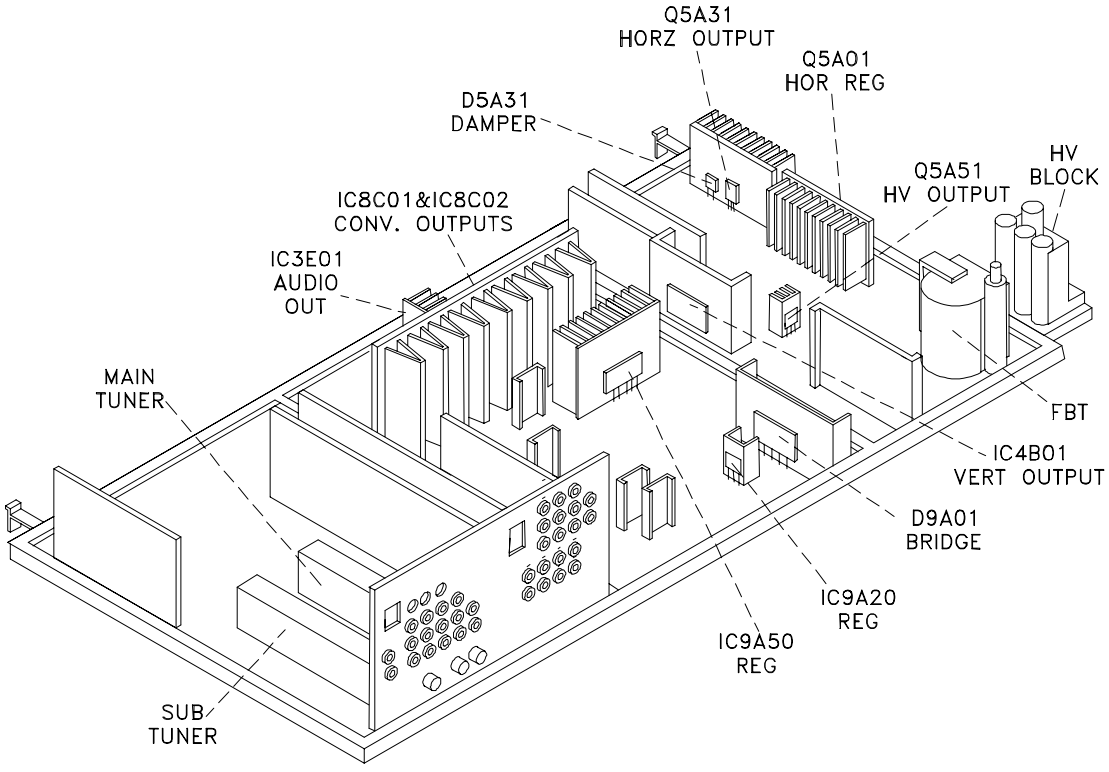
PCB Locations and Chassis Removal

Chassis Removal

1) Remove the 3 screws “a” securing the rear of the chassis.
2) Pull up slightly of the 2 front chassis locks “b”.
3) Disconnect all interconnecting cables.
4) Carefully slide the chassis out the rear of the cabinet.



Main Component Locations



CRT REPLACEMENT

1. Removal of the CRT

Caution! High voltage should be completely discharged prior to CRT removal. Since The CRTs receive high voltage from the HV Block, discharge by shorting the open end of the respective high voltage cable to chassis ground.

Note: Refer to the Cabinet Disassembly Procedures when performing steps 1 through 4.

1. Remove the Speaker Grille, Front Board, and Screen Assy.
2. Remove the Back Board.
3. Remove the Anode Lead Wire from the CR Block.
4. Remove the PCB-CRT.
5. Remove 4 hex-screws "a" retaining the Optical Unit. [Figure 5-1]
6. Remove 4 screws "b" retaining the Lens.

Note: DO NOT loosen the RED screws. Doing so will break the seal between the C-Element and the # 6 Lens, causing leakage of the CRT Coolant.

7. Remove 4 screws "c" retaining the CRT. [Figure 5-2]
8. Remove the Deflection Yoke from the neck of the CRT. [Figure 5-7]

Figure 5-1

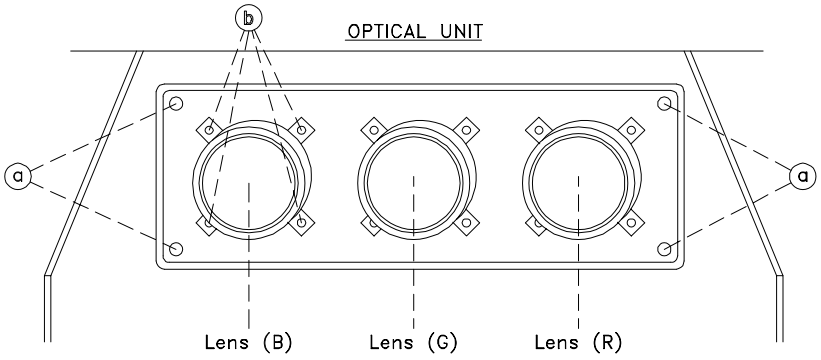
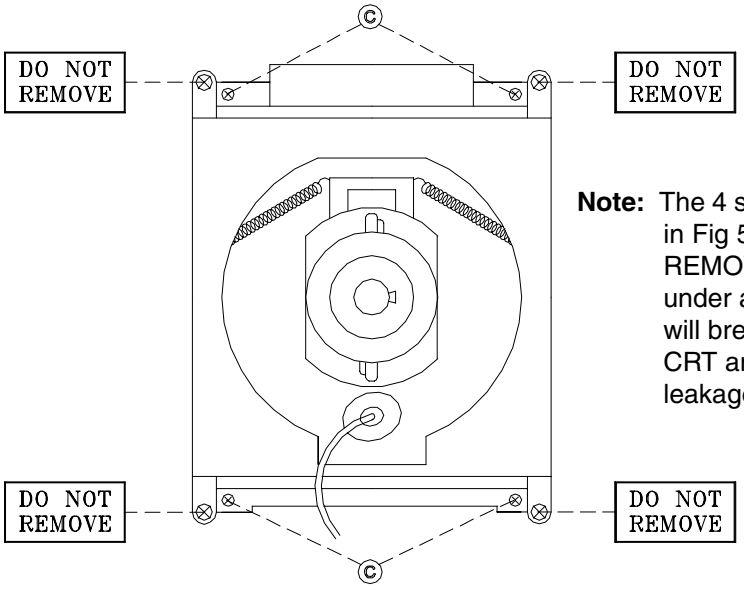


Figure 5-2



Note: The 4 spring-loaded screws shown in Fig 5-2 and labeled as "DO NOT REMOVE", should not be loosened under any circumstance. Doing so will break the seal between the CRT and the CRT-Spacer, causing leakage of the CRT Coolant.

2. Installation of the CRT

Note: The replacement CRT is supplied as an assembly comprised of the CRT and the Inner Lens with the space between them filled with ethylene glycol. Care should be taken during handling and installation to prevent shock from disrupting the seal or alignment between the CRT and Inner Lens. [Figure 5-3]

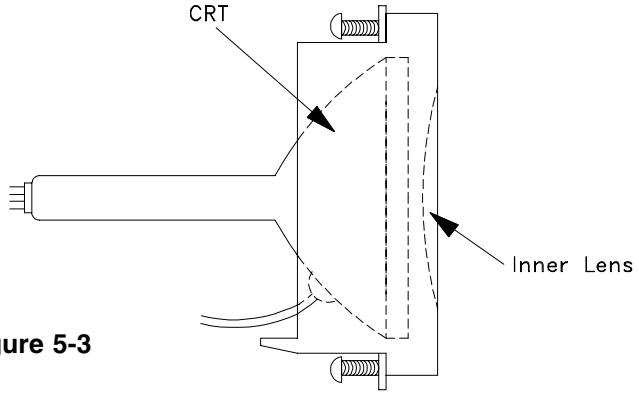


Figure 5-3

Note: The CRT fixing screws should not be loosened nor should they be removed. [Figure 5-4]

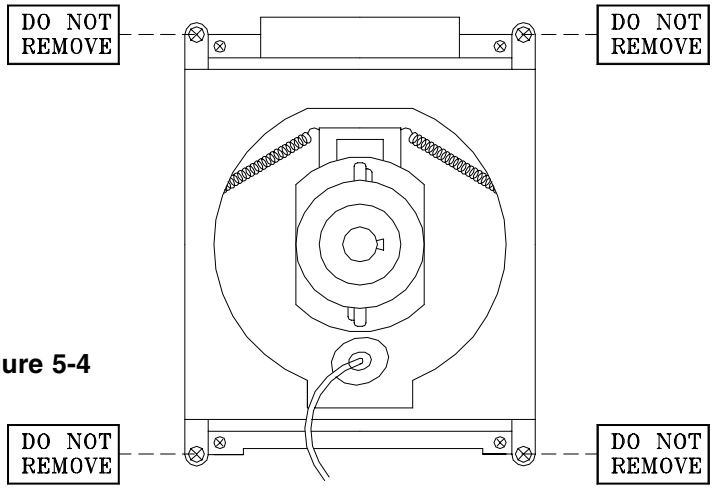


Figure 5-4

1. Carefully position the replacement CRT and fasten in place using 4 screws "d". [Figure 5-6]

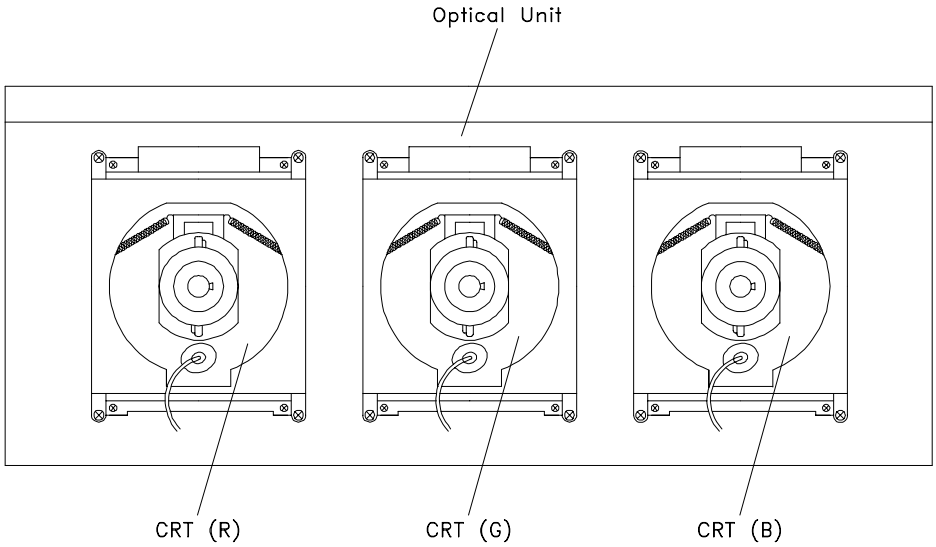


Figure 5-5

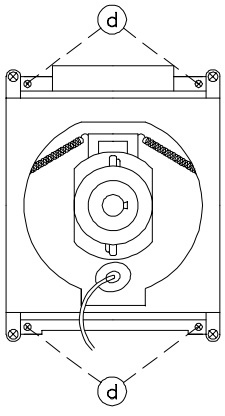


Figure 5-6

2. Install the Deflection Yoke on the CRT neck. [Figure 5-7]
3. Install the Lens that was removed in steps 8 and 9 of Removal Of The CRT. [Figures 5-1 and 5-2]
    a) Position the Lens so that the Label faces the direction shown in Figure 5-8.
    b) Install the mounting screws. [Figure 5-1]
4. Connect the PCB-CRT.
5. Insert the Optical Unit into the Light Box Assembly.
6. Insert the Anode Lead Wire into the Flyback Transformer.
7. Re-clamp the Lead Wire in its original position.

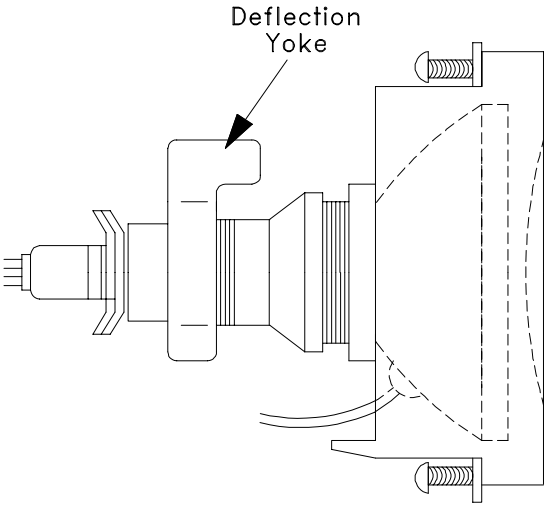


Figure 5-7

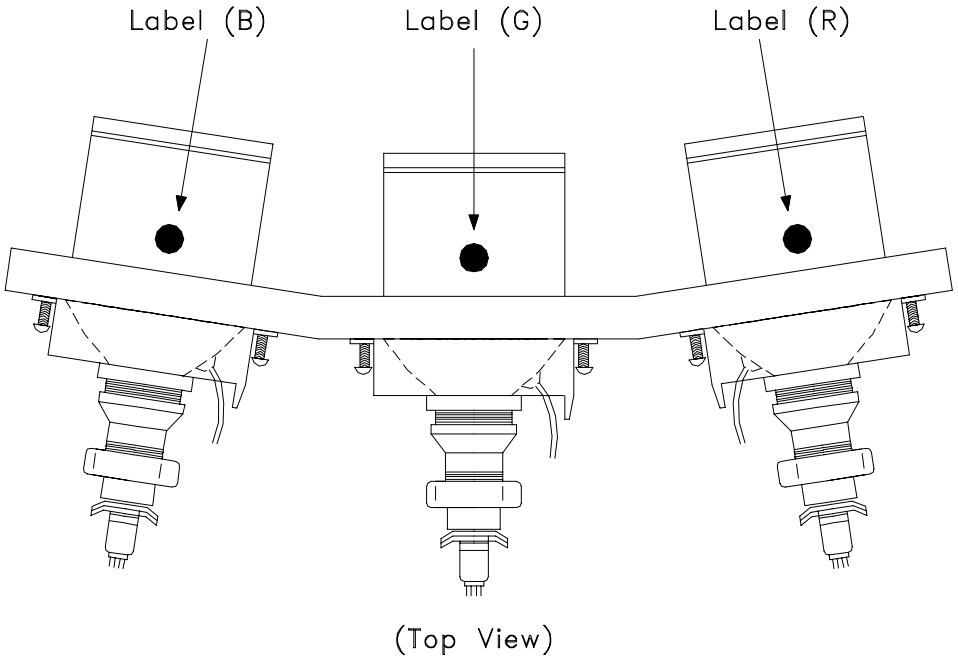


Figure 5-8

Adjustment procedures after replacing the CRT(s)

- CRT Cut Off / White Balance Adjustment
- Static Convergence Adjustment
- Dynamic Convergence Adjustment

ELECTRICAL ADJUSTMENTS

Note: Perform only the adjustments required.
Do not attempt an alignment if proper equipment is not available.

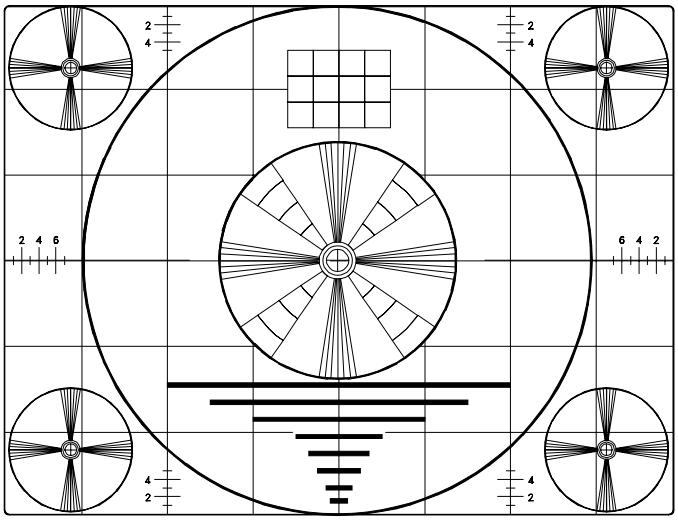
1. Test Equipment

- Oscilloscope (Unless otherwise specified, use 10:1 probes)
- Signal Generator (both SD and HD capable)
- Frequency Counter
- Direct Current Voltmeter
- Direct Current Power Supply
- Multiplex Audio Signal Generator
- Direct Current Ampere Meter

2. Test Signals

A. Monoscope Signal

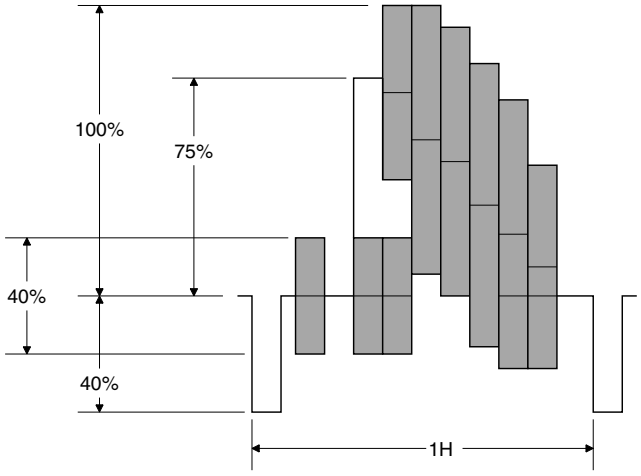
When called for, use the NTSC or HD 1080i monoscope signal shown.



Monoscope Signal

B. Color Bar Signal

Use the color bar signal shown below, unless otherwise specified in this manual.



Split-Field Color Bars (100% window)

3. Initial Setup

A. Option Menu Setup

Follow the steps below for the initial set-up:

1. Select the "MENU" display by pressing the "MENU" button once.
2. Press the number buttons "8", "2", "7", "0" in sequence to select the "OPTION MENU" display.
3. Press the "ADJUST" button to select "INITIAL."
4. Press "ENTER."

NOTE: At this time channel 3 is automatically selected.

(MENU-8-2-7-0)

OPTION MENU	
Initial	
Power restore	:OFF
DTV Port	:Auto

B. Default Settings

MAIN MENU DEFAULT SETTINGS

SETUP	
Memorize Channels	ANT A
Language	English
CLOCK	
Clock Setting	Auto
Time Zone	Eastern
Daylight Savings	Applies
Clock Time	N/A
Set Day	N/A
AV CONNECTION	
AV Network	OFF
External Audio System	NO
AV Receiver at Input 1	None
Audio Output	Variable
INPUT ASSIGNMENT	
Antenna A	On
Antenna B	On
DTV	YPrPb
Input 1	Input-1
Input 2	Input-2
Input 3	Input-3
Input 4	Input-4
Component 1	Comp. 1
component 2	Comp. 2
CAPTIONS	
Closed Captions	With Mute
CC Background	Gray

CHANNEL EDIT	
Input	ANT A
Channel	3
Memory	Deleted
Name	N/A
SQV	N/A
TIMER	
Timer	Off
Set Time	12:00PM
Set Day	Everyday
Input	ANT A
Channel	3
V-CHIP PARENT LOCK	
TV Rating	Off
FV-Fantasy Violence	N/A
D-Sexual Dialog	N/A
L-Adult Language	N/A
S-Sexual Situation	N/A
V-Violence	N/A
Program not Rated	N/A
Movie Rating	N/A
V-CHIP LOCK BY TIME	
V-Chip Start Time	N/A
V-Chip Stop Time	N/A
Lock by Time	Off
Lock Time	N/A
Unlock Time	N/A

ADVANCED FEATURES	
SD Video Format	480P
Video Mute	On
Black Level Expansion	On
AUDIO SETTINGS	
Volume	30%
Bass	50%
Treble	50%
Balance	50%
Surround	Off
Listen to	Stereo
Level Sound	Off
VIDEO SETTINGS	
Iris	Off
Contrast	100%
Brightness	50%
Sharpness	50%
Color	50%
Tint	50%
Color Temp.	High
Video Noise	Reduction
PIP/POP	
Source	Ant A Ch 3
PIP Position	Lower Right
POP Position	Right Half
Format	Standard
PIP/POP Format	Dble. Window

A/V RESET DEFAULT SETTINGS (By Input)

A/V Memory	ANT-A/B	DTV	INPUTS 1-4	DVD-1/2
Iris	OFF			
Contrast	Max.	Max.	Max.	Max.
Brightness	Center	Center	Center	Center
Auto Picture	OFF			
Sharpness	Center	Center	Center	Center
Color	Center	Center	Center	Center
Tint	Center	Center	Center	Center
Color Temp.	High	High	High	High
Video Noise	Normal	Normal	Normal	Normal
Bass	Center	Center	Center	Center
Treble	Center	Center	Center	Center
Balance	Center			
Surround	OFF	OFF	OFF	OFF
Listen To	Stereo			
Level Sound	OFF	OFF	OFF	OFF

C. A/V Memory

Each of the external inputs has its' own Audio/Video Memory. A change in an A/V setting at a specific input is stored in memory for that specific input.

A/V Reset

1. The front panel AV Reset button intializes all A/V Memories.
2. The AV Reset in the user's menu initializes only the selected input's A/V Memory.

4. Self Diagnostics

The “Power ON LED” provides an indication of the sets operation, and the possible cause of a malfunction.

1. Initial Control Circuitry Check

Immediately after the TV is connected to an AC power source:

- The LED flashes three times ... indicating the Microprocessor has initialized and is functioning properly.
- If the LED does not flash ... the Microprocessor is NOT functioning.

2. Error Code Operational Check

Pressing the front panel “INPUT” and “MENU” buttons at the same time, and holding for 5 seconds, activates the Error Code Mode. The LED flashes denoting a two digit Error Code, or indicating no problem has occured since the last Initalization.

Note: The front panel buttons must used, NOT those on the Remote Control.

- The number of flashes indicates the value of the MSD (tens digit) of the Error Code.
- The flashing then pauses for approximately 1/2 second.
- The LED then flashes indicating the value of the LSD (ones digit) of the Error Code.
- The Error Code is repeated a total of 5 times.

Example: For Error Code is “24”, the LED will flash 2 times, pause, and then flash 4 times.

3. Error Codes

The Error Code designations indicating a malfunction, or no malfunction, are listed below:

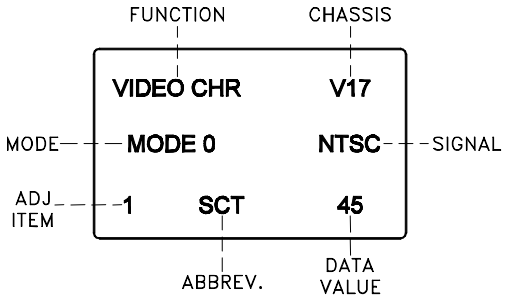
“12” ... indicates no error has occured.
“21” ... X-Ray Protect circuit.
“22” ... Short Protect circuit.
“23” ... Horizontal Deflection failure.
“24” ... Vertical Deflection failure.5. Circuit Adjustment Mode

Most of the adjustments can only be performed using the remote hand unit. Many of the adjustments must be performed in both the NTSC and HD modes. Video/Color adjustments must be performed in the NTSC and HD modes, and data must be preset in the 480P (DVD) and VGA modes.

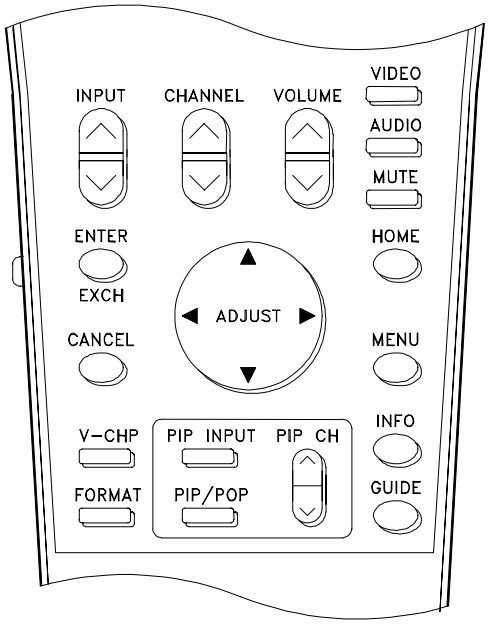
A. Activating the Circuit Adjustment Mode

The current signal source determines if the activated Adjustment Mode is NTSC or HD.

1. Select the signal source (NTSC or HD).
2. Press the "MENU" button on a remote hand unit.
3. Press the number buttons "8", "2", "5", "7" in sequence. The screen will change to the Adjustment Mode.



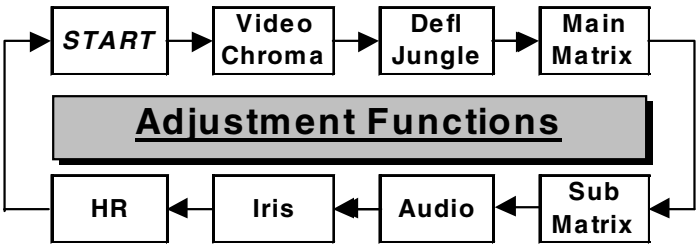
Note: Repeat steps 1 and 2 if the circuit adjustment mode does not appear on screen.



B. Selection of Adjustment Functions and Adjustment Items

To select an adjustment item in the circuit adjustment mode, first select the adjustment function that includes the specific adjustment item to be selected. Then select the adjustment item.
(Refer to the following pages for the listing of adjustment functions and adjustment items.)

1. Press the "AUDIO" button on a remote hand unit to select an adjustment function. Each time the button is pressed, the Function changes in the following sequence:



2. Press the “VIDEO” button to select a specific Adjustment Item. The Item number increases each time the “VIDEO” button is pressed.

C. Changing Data

After selecting an adjustment Item, use the “ADJUST UP/DOWN” buttons to change data.

- Press “ADJUST DOWN” to decrease the data value.
- Press “ADJUST UP” to increase the data value.

D. Saving Adjustment Data

Press “ENTER” to save adjustment data in memory. The character display turns red for approximately one second in this step.

Note: If the circuit adjustment mode is terminated without pressing “ENTER”, changes in adjustment data are not saved.

E. Terminating the Circuit Adjustment Mode

Press the “MENU” button on the remote hand unit twice to terminate the adjustment mode.

Note: The circuit adjustment mode can also be terminated by turning power OFF.

F. Toggle Between Reception Modes

Pressing “3” when in the Adjustment Mode toggles between NTSC, HD, 480P and VGA. However data changes are not automatically saved. **Press “ENTER” to save data before pressing “3”**.

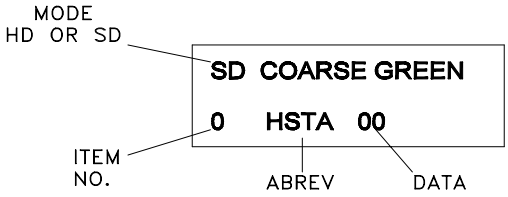
6. Convergence Adjustment Mode

The Convergence mode is used to perform raster geometry correction, and convergence adjustments. These adjustments must be made in both the SD (NTSC) and HD modes.

A. Convergence Mode Activation

1. Press MENU-8-2-5-9

2. When the Convergence Mode is activated, the display on the right appears on a Green Crosshatch.



B. Selecting the HD or SD Mode

1. **Select the Signal Source** before entering the Convergence Mode, either an NTSC or HD source.

2. **Enter the Convergence Mode**
   - If the signal source is NTSC, the SD mode is activated.
   - If the signal source is HD 1080i, the HD mode is activated.

3. **Activating the HD mode when no HD signal is available**
   - Activate the Factory Option Menu (MENU-8-2-7-0)
   - Use the “Adjust” keys to select “DTV Port” and press the “Enter” key three times to change the setting to “1080i”. Sequence = “AUTO”-”480i”-”480p”-”1080i.” **Note: Ignore any loss of sync while changing modes.**
   - Exit the Option Menu (Press MENU twice)
   - Select the DTV Inputs as the signal source (INPUT button)
   - Activate the Convergence Mode ... the Convergence mode will be in the HD mode and the internal crosshatch is displayed.

4. **After adjusting Convergence, be sure to set the DTV Port back to AUTO.**
   - Select an analog Input as the signal source (INPUT button)
   - Activate the Factory Option Menu (MENU-8-2-7-0)
   - Use the “Adjust” keys to select “DTV Port” and press the “Enter” key once to change the setting from “1080i” to “AUTO”.
   - Exit the Option Menu (Press MENU twice)

C. Convergence Mode Functions

In the Convergence Mode there are three main Functions (Categories).

- Pressing “6” activates CONV MISC
- Pressing “5” activates COARSE CONV
- Pressing “4” activates FINE CONV

D. CONV MISC (Press 6)

This mode is used to preset data values controlling the Convergence Generator, and to perform the HV Regulation adjustment.

1. Use the VIDEO button to select an item.
2. Use the ADJUST buttons to change data.

NOTE: When Item “0 HVOL” is selected the screen goes black except for the data display. This occurs since a black screen is required when making the HV Regulation adjustment.

E. COARSE CONV (Press 5)

There are four Sub Functions in the Coarse mode, COARSE GREEN, COARSE RED, COARSE BLUE and DF.

- COARSE GREEN .... used to make Coarse Raster Geometry Adjustments.
- COARSE RED ... used to make Coarse Red Convergence Adjustments.
- COARSE BLUE ... used to make Coarse Blue Convergence Adjustments.
- DF ... used to preset data values controlling the Dynamic Beam Focus circuit drive signal.

1. Use AUDIO button to select a Sub Function
2. Use the VIDEO button to select an Adjustment Item.
3. Use the ADJUST buttons to change data.

F. FINE CONV (Press 4)

Sub Functions

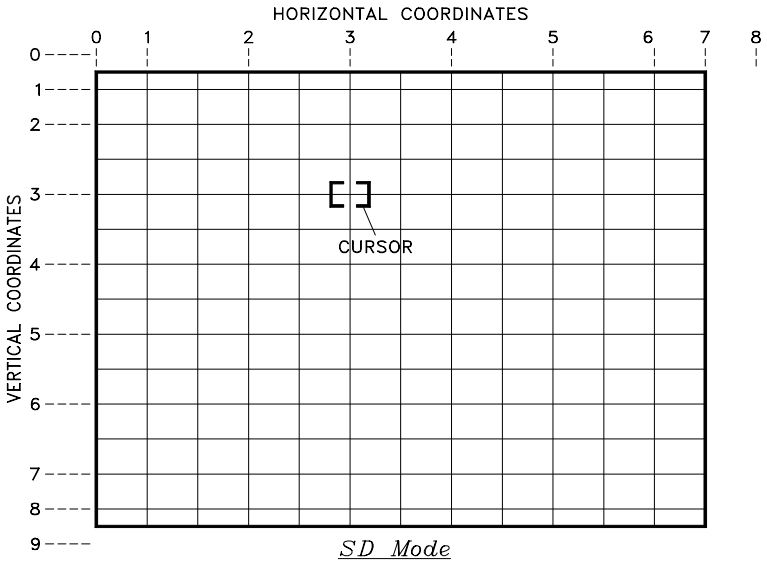
This mode is used to perform Fine Raster Correction, and Fine Red and Blue Convergence Adjustments. There are three Sub Adjustment Functions, selected with the AUDIO button:

- FINE GREEN .... a Green Crosshatch is displayed, to make Fine Raster Corrections.
- FINE RED .... a White Crosshatch is displayed, to make Fine Red Convergence Adjustments.
- FINE BLUE .... a White Crosshatch is displayed, to make Fine Blue Convergence Adjustments.

Cursor

In the Fine mode a Cursor is added to the Crosshatch. The ENTER button toggles the Cursor between two modes:

- MOVE (blinking Cursor) .... use the ADJUST buttons to select any of 64 points on the Crosshatch.
- ADJUST (Non blinking Cursor) .... the ADJUST buttons adjust the active color at the current Cursor position, horizontally or vertically.

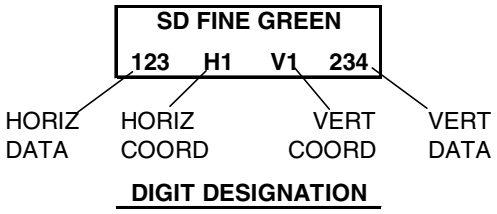


Cursor Coordinates

Specific intersections in the Cross-hatch are assigned vertical and horizontal coodinates. These are shown in the adjacent diagram. The Cursor can only be moved to those positions that have coordinates assigned. If the Cursor is at coordinates outside the screen area, the Cursor will not be visible. Use the ADJUST buttons to move the Cursor to an intersection on the screen.

Display

The on-screen display changes in the Fine mode, as shown at the right. The display shows the vertical and horizontal data for the current Cursor Position, and the horizontal and vertical coordinates for that position.



G. Saving Data and Exiting the Convergence Mode

Press MENU twice to exit the Convergence mode, data is automatically saved.

E2PROM Replacement

IC7C01 and IC7C02 store the adjustment data. After replacing the IC, set the data to the values given in the following tables. If good performance is not obtained, perform the Adjustments Procedures given in the Notes column.

List of Adjustment Items.

VIDEO / CHROMA Function

IC2V00

Function Display		Adjustment	Data	Initial Data				Notes
Item #	Abbrev.	Description	Range	NTSC	HD	480P	VGA	
1	SCT	Picture Gain Control	0~63	42	←	←	←	Sub Contrast
2	SBRT	Sub Brightness	0~63	18	←	←	←	Black Level
3	SCOL	Sub Color	0~15	2	2	2	2	Preset
4	STIN	Sub Tint	0~15	7	7	7	7	"
5	SCON	Sub Contrast	0~15	2	2	2	2	"
6	RDRH	R-Drive (high)	0~63	42	42	←	←	White Balance
7	GDR	G-Drive	0~63	50	50	←	←	Preset
8	BDRH	B-Drive (high)	0~63	42	42	←	←	White Balance
9	CTRH	R-Cutoff (high)	0~63	15	15	←	←	"
10	CTGH	G-Cutoff (high)	0~63	50	50	←	←	Preset
11	CTBH	B-Cutoff (high)	0~63	15	15	←	←	White Balance
12	RDRL	R-Drive (low)	0~63	50	←	←	←	"
13	BDRL	B-Drive (low)	0~63	25	←	←	←	"
14	CTRL	R-Cutoff (low)	0~63	23	←	←	←	"
15	CTGL	G-Cutoff (low)	0~63	50	←	←	←	"
16	CTBL	B-Cutoff (low)	0~63	10	←	←	←	"
17	GMMA	Gamma control	0~15	8	4	5	5	Preset
18	BRT	Brightness control	0~63	31	←	←	←	User
19	COL	Color Gain control	0~63	28	←	←	←	User
		(73" only)		27				
21	CONT	Picture Gain control	0~63	42	←	←	←	Preset
56	CRO1	CR Offset 1	0~15	9	9	9	9	Cb Cr Offset
57	CBO1	CB Offset 1	0~15	10	10	10	10	Cb Cr Offset

(←) Automatically goes to the value on the left

Indicates 73" Only

DEFL JUNGLE Function

IC4A01

Function Display		Adjustment	Data	46" Only		55/65/73"		Notes
Item #	Abbrev.	Description	Range	HD	NTSC	HD	NTSC	
1	HWID	Horizontal Width	0~63	38	44	33	29	Width
		(73 inch Only)				47	57	
2	HKEY	Horizontal Keystone	0~63	30	25	31	31	Preset
3	EWPT	EW-PCC on top	0~63	31	25	26	31	"
5	EWPB	EW-PCC on bottom	0~63	27	20	26	20	"
7	VHGT	Vertical Height	0~63	21	31	31	38	Height
*8	VLIN	Vertical Linearity	0~15	0	0	9	9	Preset
9	VSCN	Vertical S-Correction	0~15	7	7	0	0	"
20	VPOS	Vertical Position	0~63	0	63	31	31	"

73" Only

MAIN MATRIX Function

IC6M00

Function Display		Adjustment	Data	Initial	Notes
Item #	Abbrev.	Description	Range	Data	
1	TNTM	Main Tint	0~63	30	Preset
2	COLM	Main Color	0~63	19	"
3	YDRM	Main Gain Control	0~31	12	Main Y Level

SUB MATRIX Function

IC6P00

Function Display		Adjustment	Data	Initial	Notes
Item #	Abbrev.	Description	Range	Data	
1	TNTS	Sub Tint	0~63	30	Sub Picture Tint
2	COLS	Sub Color	0~63	30	Sub Color
3	YDRS	Sub Gain Control	0~31	12	Sub Y Level
4	VPDS	Sub-V Pedestal DC Control	0~15	7	Preset
5	UPDS	Sub-U Pedestal DC Control	0~15	7	"

AUDIO Function

IC3A01

Function Display		Adjustment	Data	Initial	Notes
Item #	Abbrev.	Description	Range	Data	
1	INP	Input Level Alignment	0~15	8	Input Level
3	WDE	Wideband Separator Align.	0~31	3	Separation
4	SPC	Spectral Separator Align.	0~31	3	"

IRIS Function

Function Display		Adjustment	Data	Initial	Notes
Item #	Abbrev.	Description	Range	Data	
1	0T1	Lower thresh hold voltage setting	0-255	60	Preset

HR Function

Item Number	Abbrev. Name	Description	Data
1	HR	Display horiz. Centering (NTSC)	128
2	HRHD	Display horiz. Centering (HD)	128

DYNAMIC FOCUS

MENU-8-2-5-9

Item Number	Abbrev. Name	Description	Data SD&HD
0	DFH	Dynamic Focus Horizontal	175
1	DFV	Dynamic Focus Vertical	100

CONV MISC Items

(MENU-8-2-5-9-6)

Item Number	Abbrev. Name	Description	Data		Notes
			SD	HD	
0	HVOL	High Voltage Control	128		HV Adj.
3	STLN	Horiz. Correction Start Line Number	55	81	Preset
4	FPHS	Fine H-Phase of Correction Signal	200	200	"
7	TPHS	Test Pattern H-Phase	70	70	"

* Do not change "0 HVOL" if it has been previously set.

CONV GREEN Items

(MENU-8-2-5-9-5)

Item Number	Abbrev. Name	Description	Data (SD/HD)		Notes
			46"	55-65-73"	
0	HSTA*	Horizontal Position	-35/-35	-35/-35	Centering
1	SPCC	Side Pincushion Correction	0/0	0/0	Geo. (Conv)
2	HWID	Width	0/0	0/0 (0/+30)73"	Geo. (Conv)
3	SKEW	Skew (Y axis rotation)	0/0	0/0	Geo. (Conv)
4	VSTA*	Vertical Position	-35/-35	-35/-35	Centering
5	VKEY	Vertical Keystone Correction	0/0	0/0	Geo. (Conv)
6	TBPC	Top/Bottom Pincushion Correction	-220/-200	-220/-200	Geo. (Conv)
7	TILT	Horizontal Tilt (X axis rotation)	0/0	0/0	Geo. (Conv)

***HSTA and VSTA must not exceed ±200**

CONV RED Items

(MENU-8-2-5-9-5)

Item Number	Abbrev. Name	Description	Data)SD/HD)		Notes
			46"	55-65-73"	
0	HSTA*	Horizontal Position	+75/+75	+40/+50	Static Conv.
1	HLIN	Horiz. Linearity	-225/-210	-210/-200	Coarse Conv.
2	SKEW	Skew (Y axis rotation)	+5/+5	+10/+10	Coarse Conv.
3	HWID	Width	+15/+20	-25/-5	Coarse Conv.
4	HSBW	Horiz. Side Bow Correction	+30/+30	+30/+30	Coarse Conv.
5	VST*	Vertical Position	-20/-20	-20/-20	Static Conv.
6	VKEY	Vertical Keystone Correction	-115/-85	-100/-85	Coarse Conv.
7	TILT	Horizontal Tilt (X axis rotation)	0/0	0/0	Coarse Conv.

***HSTA and VSTA must not exceed ±200**

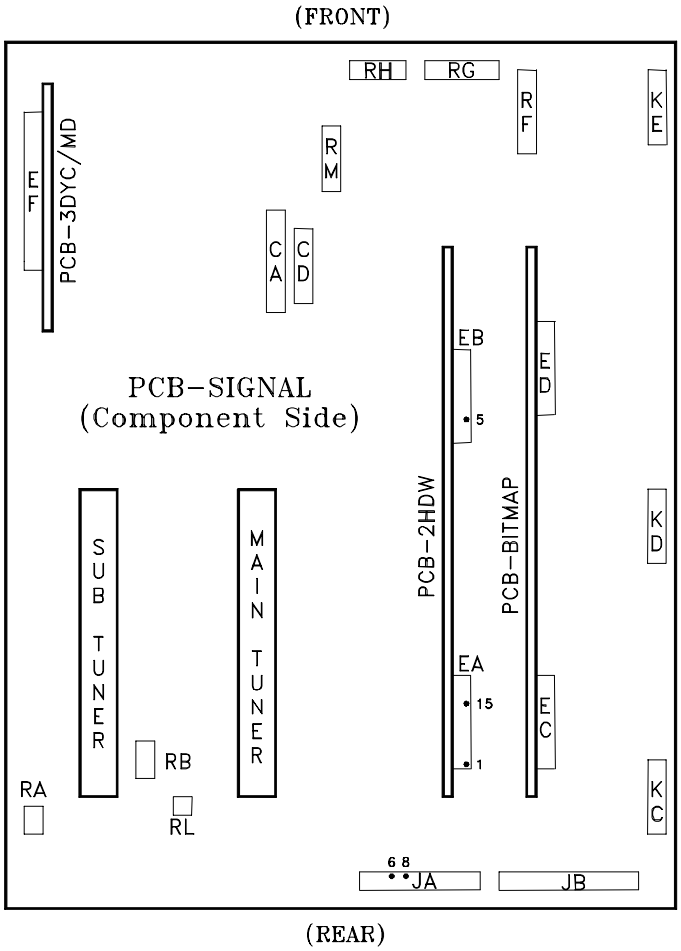
CONV BLUE Items

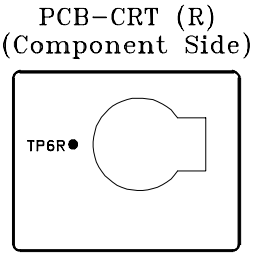
(MENU-8-2-5-9-5)

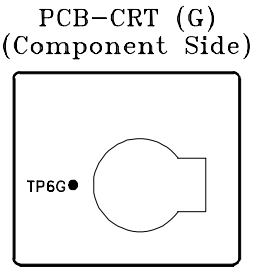
Item Number	Abbrev. Name	Description	Data)SD/HD)		Notes
			46"	55-65-73"	
0	HSTA*	Horizontal Position	-75/-75	-40/-40	Static Conv.
1	HLIN	Horiz. Linearity	+240/+215	+240/+220	Coarse Conv.
2	SKEW	Skew (Y axis rotation)	0/0	-10/-10	Coarse Conv.
3	HWID	Width	-15/-20	-20/-5	Coarse Conv.
4	HSBW	Horiz. Side Bow Correction	-45/-45	-45/-45	Coarse Conv.
5	VST*	Vertical Position	-5/-5	-10/-10	Static Conv.
6	VKEY	Vertical Keystone Correction	+115/+105	+115/+115	Coarse Conv.
7	TILT	Horizontal Tilt (X axis rotation)	0/0	0/0	Coarse Conv.

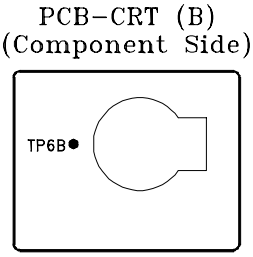
***HSTA and VSTA must not exceed ±200**

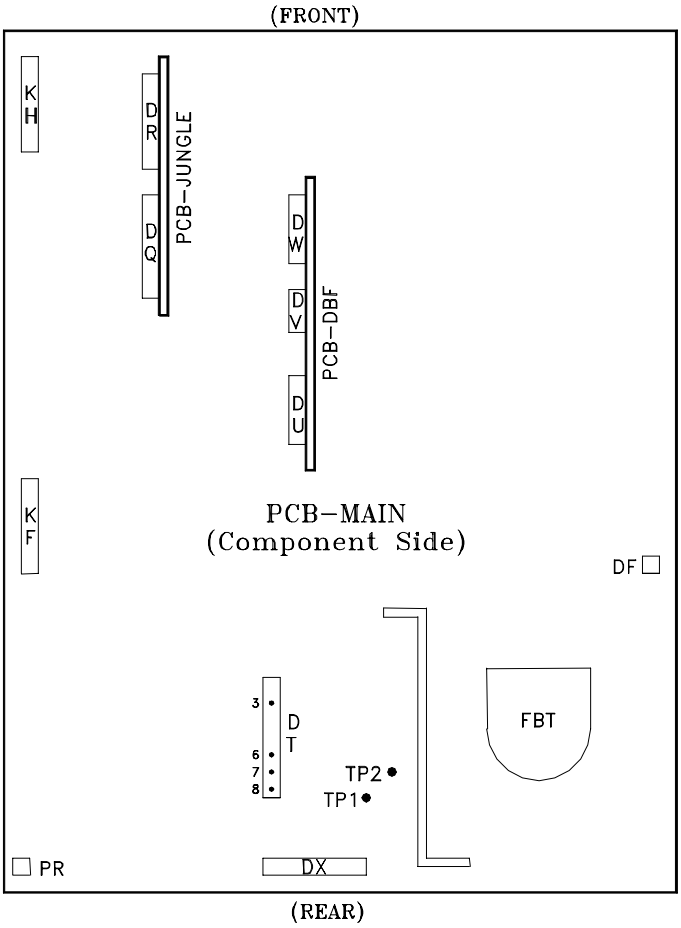
Adjustment Test Point Locations











[Audio Circuit]

1. MCS Input Level

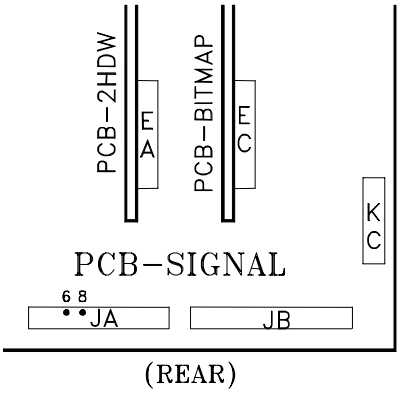
Purpose: Check the input signal level to the MCS circuit

Symptom: Distorted sound during a stereo broadcast.

Measuring Instrument	Oscilloscope
Test Point	Connector JA pins 6 & 8
Ext. Trigger	------
Measuring Range	50mV/Div
Input Signal	RF Stereo 300 Hz modulation
Input Terminal	RF Input

1. Supply an RF MCS signal to the Ant A input, 300 Hz at 100% modulation (25 kHz deviation) for right and left channels.
2. Connect the oscilloscope to connector JA pin 8 (Main Tuner Right Audio).
3. Enter the Adjustment Mode and select the Audio Function.
4. Verify that the Audio Function items are set to the data values given the table below.
5. Set the data for Item “1 INP” for 1.56 Vp-p ±0.06V.
6. Connect the oscilloscope to connector JA pin 6 (Main Tuner Left Audio).
7. Confirm that the left audio level at pin 6 of the JA connector is 1.56 Vp-p ±0.06V.

Note: *Adjustment 2 (Stereo Separation) must be performed after this adjustment)*



CIRCUIT ADJUST MODE

Activate …….. MENU-8-2-5-7
Function …..……..AUDIO
Item No. ……VIDEO
Adjust Data ……..ADJUST
Save Data …. ……ENTER
Exit ……..MENU (twice)

AUDIO Function

Item #	Abbrev.	Data
1	INP	7
3	WDE	16
4	SPC	16

[Audio Circuit]

2. Separation

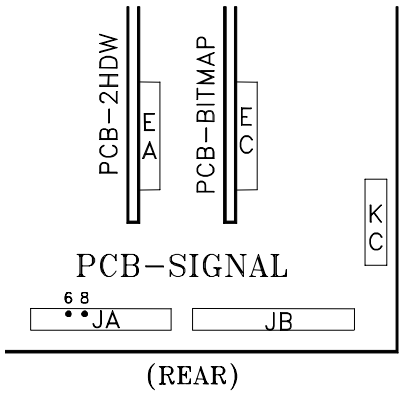
Purpose Check stereo separation

Symptom: Poor stereo separation

Measuring Instrument	Oscilloscope
Test Point	Conector JA pin 8
Ext. Trigger	------
Measuring Range	10mV/Div
Input Signal	RF Stereo
Input Terminal	RF Input

Note: *This adjustment must follow Adjustment 1 (Input Level)*

1. Supply a RF Stereo Signal (dual tone stereo) to the Ant. A input.
   - Left Channel = 300 Hz modulation
   - Right Channel = no modulation
2. Connect the oscilloscope to connector JA pin 8 (Main Tuner Right Audio).
3. Enter the Adjustment Mode and select the Audio Function.
4. Set the data for Item “3 WDE” for minimum Right Audio signal.
5. Change the modulation frequency to 3kHz.
6. Adjust the data for Item “4 SPC” for minimum Right Audio signal.



CIRCUIT ADJUST MODE

Activate …….. MENU-8-2-5-7
Function …..……..AUDIO
Item No. ……VIDEO
Adjust Data ……..ADJUST
Save Data …. ……ENTER
Exit ……..MENU (twice)

[HV Circuit]

3. HV Regulation

Purpose: To set the CRT Anode voltage.

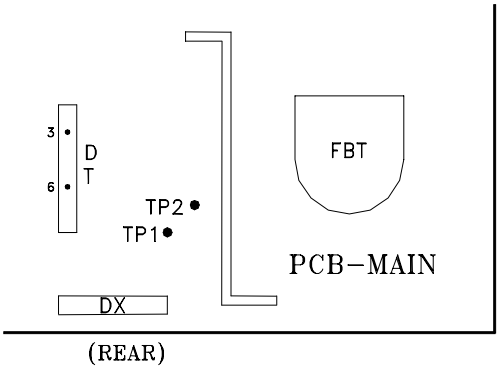
Symptom: Dark Picture

Measuring Instrument	DC Voltmeter
Test Point	DT connector pins 3 & 6
Ext. Trigger	------
Measuring Range	-------
Input Signal	Video Signal Monoscope
Input Terminal	Video Input

Note: *This adjustment must be rechecked following Adjustment 9 CRT Cutoff.*

1. Supply a video monoscope signal.
2. Sent Contrast to maximum, and Brightness to mid position.
3. Connect a DC volt meter between pins 3 and 6 of the DT connector. (Positive lead to pin 3)
4. Activate the Conv-Misc Mode.
5. Select Item “0 HVOL” (screen goes black).
6. Adjust Item “0 HVOL” for 15.4V ±0.1V on the meter.
7. Save data and exit the Conv-Misc mode.
8. Confirm that the voltage does not change more than 0.15V.

Note: *This adjustment must be performed if E2RESET or Convergence E2RESET are activated.*



CONVERGENCE MODE

Activate ……..MENU-8-2-5-9
Misc. ……."6"
Coarse……."5"
Fine ……."4"
Color (R,G or B)……AUDIO
Item No……VIDEO
Adjust/Move…….ADJUST
Cursor Toggle……..ENTER
Save & Exit…..MENU (twice)

[Video Circuit]

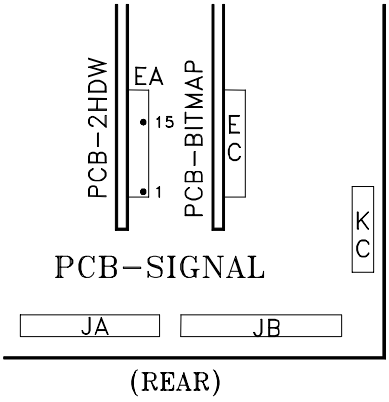
4. Main/Sub Y Level

Purpose To set picture luminance

Symptom: Excess or insufficient brightness.

Measuring Instrument	Oscilloscope
Test Point	EA connector pins 15 & 1
Ext. Trigger	------
Measuring Range	------
Input Signal	Color Bars
Input Terminal	Video Input

1. Supply a color bar signal to a Video Input (not an RF input).
2. Select the color bar signal for both the main and sub pictures.
3. Connect the oscilloscope to connector EA pin 15.
4. Activate the Adjustment Mode
5. Select Item “3 YDRM” in the Main Matrix function.
6. Adjust the data for 0.7 Vp-p max. - 0.67 Vp-p min. at EA pin 15. (If it cannot be adjusted within this range, set to the lower value)
7. Move the oscilloscope to EA pin 1.
8. Select Item “3 YDRS” in the Sub Matrix function.
9. Adjust the data for 0.7 Vp-p max. - 0.67 Vp-p min. at EA pin 1. (If it cannot be adjusted within this range, set to the lower value)



CIRCUIT ADJUST MODE

Activate …….. MENU-8-2-5-7
Function ……..AUDIO
Item No. ……VIDEO
Adjust Data ……..ADJUST
Save Data …. ……ENTER
Exit ……..MENU (twice)

[Video Circuit]

5. Side by Side Sub Picture Tint

Purpose: To match the sub picture color to that of the main picture.

Symptom: Main and sub pictures colors differ.

Measuring Instrument	-----
Test Point	-----
Ext. Trigger	------
Measuring Range	------
Input Signal	NTSC
Input Terminal	RF or Video

1. Supply an NTSC signal.
2. Select the NTSC signal as the source for both the main and sub pictures.
3. Activate Side by Side POP
3. Activate the Adjustment mode.
4. Select Item “1 TNTS” in the Sub Matrix Function.
5. Adjust data to match the sub picture color to that of the main picture. (If “1 TNTS” range is short, adjust Items “4 VPDS” and “5 UPDS”)

CIRCUIT ADJUST MODE

Activate …….. MENU-8-2-5-7
Function ……..AUDIO
Item No. ……VIDEO
Adjust Data ……ADJUST
Save Data …. ……ENTER
Exit ……..MENU (twice)

[Video Circuit]

6. Side by Side Sub Color

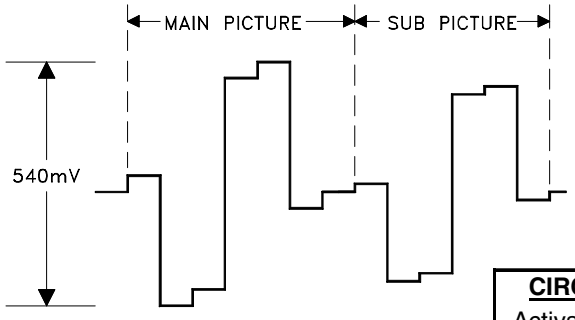
Purpose To set the sub picture color level.

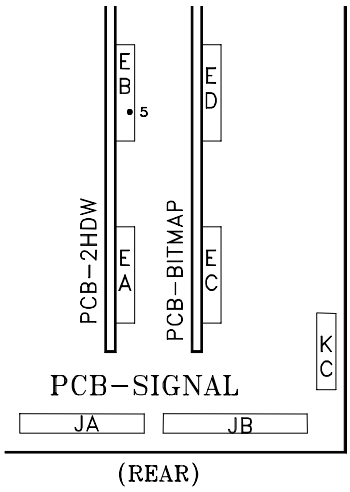
Symptom: Main and sub pictures color levels differs.

Measuring Instrument	Oscilloscope
Test Point	EB connector pin 5
Ext. Trigger	------
Measuring Range	200mV/div 20usec/div
Input Signal	Color Bars
Input Terminal	Video Input

Note: *Let the set run for at least one minute before making this adjustment.*

1. Supply a color bar signal.
2. Select the color bar signal as the source for both the main and sub picture.
3. Connect an oscilloscope to pin 5 of the EB connector.
4. Activate the Side by Side mode.
5. Activate the Service Mode
6. Select Item “2 COLS” in the Sub Matrix function.
7. Adjust data so the amplitude of the Sub signal equals that of the main signal.





CIRCUIT ADJUST MODE

Activate …….. MENU-8-2-5-7
Function ……..AUDIO
Item No. ……VIDEO
Adjust Data ……ADJUST
Save Data …. ……ENTER
Exit ……..MENU (twice)

[CRT Circuit]

7. CRT Cutoff

Purpose: To set the cutoff point for all three CRTs.

Symptom: Monochrome has a color tint, or incorrect brightness.

Measuring Instrument	Oscilloscope
Test Point	TP6R, TP6G, TP6B
Ext. Trigger	------
Measuring Range	50V/Div. 2msec/Div.
Input Signal	None
Input Terminal	Video Input

VIDEO / CHROMA Function

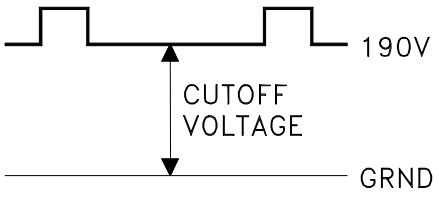
Item #	Abbrev.	Data
1	SCT	42
2	SBRT	18
5	SCON	2
6	RDRH	42
7	GDR	50
8	BDRH	42
9	CTRH	15
10	CTGH	50
11	CTBH	15
18	BRT	31
19	COL	0

Note: ***Use the Expand mode (full screen)***

(Refer to page 29 for Test Point locations.)

1. Select an External Input with no signal.
2. Enter the Adjustment Mode, Video/Chroma Function.
3. Set the data to the values given in the table below.
4. Connect the oscilloscope to TP6R.
5. Adjust the Red Screen VR so the black level is 190V, as shown below, or 199V ±1VDC using an DC Voltmeter.
6. Repeat Steps 4 and 5 to set the Blue and Green Screen VRs, using TP6G and TP6B.

Note: *White Balance must be performed after this adjustment.*



CIRCUIT ADJUST MODE

Activate …….. MENU-8-2-5-7
Function …..……..AUDIO
Item No. ……..……VIDEO
Adjust Data ……..ADJUST
Save Data …. ……ENTER
Exit ……..MENU (twice)

[CRT Circuit]

8. White Balance (NTSC)

Purpose To set the CRTs white level in the NTSC mode.

Symptom: Monochrome has a color tint.

Measuring Instrument	DC Voltmeter
Test Point	------
Ext. Trigger	------
Measuring Range	------
Input Signal	NTSC White Raster
Input Terminal	RF or Video

Note: ***Use the Expand mode (full screen)***

1. Supply a full White Raster Signal
2. Activate the Service Mode, Video/Chroma function.
3. Set the data for Item “19 COL” to 0.
4. Adjust Items “6 RDRH” and “8 BDRH” for optimum white at the center of the screen.
5. Reduce the input luminance level to 25%.
6. Adjust Items “9 CTRH” and “11 CTBH” for optimum white.
7. Insert a Milliammeter in series with each CRT Cathode. The maximum allowable current for each CRT is given in the table below.
8. Set the white raster to 100% and adjust Items “12 RDRL” and “13 BDRL” for optimum white at the center of the screen.
9. Reduce the luminance level to 25%.
10. Adjust Item “14 CTRL” and “16 CTBL” for optimum white.
11. Set the data for Item “19 COL” back to 28.

CIRCUIT ADJUST MODE

Activate …….. MENU-8-2-5-7
Function …..……..AUDIO
Item No. ……..……VIDEO
Adjust Data ……..ADJUST
Save Data …. ……ENTER
Exit ……..MENU (twice)

Maximum CRT Current

CRT	All Except WS-73907	Only WS-73907
RED	580 uA	900 uA
GREEN	580 uA	900 uA
BLUE	580 uA	900 uA

[CRT Circuit]

9. White Balance (HD)

Purpose: To set the CRTs white level in the HD mode.

Symptom: Monchrome pictures have a color tint.

Measuring Instrument	-----
Test Point	-----
Ext. Trigger	------
Measuring Range	-----
Input Signal	HD 1080i White Raster
Input Terminal	DTV Inputs

1. Supply an HD 1080i Full White Raster signal to the DTV Inputs.
2. Select the DTV Inputs (Input button)
3. Activate the Adjustment mode, Video/Chroma Function.
4. Set Item “19 COL” to 0.
5. Adjust Items “6 RDRH” and “8 BDRH” for optimum white at the center of the screen.
6. Reduce the input signal luminance to 25%.
7. Adjust Items “9 CTRH” and “11 CTBH” for optimum white.
8. Set the data for Item “19 COL” back to 27.

CIRCUIT ADJUST MODE

Activate …….. MENU-8-2-5-7
Function …..……..AUDIO
Item No. ……VIDEO
Adjust Data ……ADJUST
Save Data …. ……ENTER
Exit ……..MENU (twice)

[CRT Circuit]

10. Cb, Cr Offset

Purpose To set U and V color signal level.

Symptom: Incorrect colors.

Measuring Instrument	-----
Test Point	-----
Ext. Trigger	------
Measuring Range	------
Input Signal	White Raster (NTSC & HD 1080i)
Input Terminal	Video & DTV Inputs

NTSC Mode

1. Supply an NTSC White Raster (25% luminance) signal to a Video Input.
2. Activate the Adjust Mode, Video/Chroma Function
3. Set Item “19 COL” data to 63.
4. Adjust Items “56 CRO1” and “57 CBO1” for optimum white.
5. Set Item “19 COL” data to 28.
6. Save data and Exit the Service Mode.

HD MODE

1. Supply a HD 1080i White Raster (25% luminance) signal to a Video Input.
2. Activate the Adjust Mode, Video/Chroma Function
3. Set Item “19 COL” data to 63.
4. Adjust Items “56 CRO1” and “57 CBO1” for optimum white.
5. Set Item “19 COL” data to 27.
6. Save data and Exit the Service Mode.

CIRCUIT ADJUST MODE

Activate …….. MENU-8-2-5-7
Function …..……..AUDIO
Item No. ……VIDEO
Adjust Data ……ADJUST
Save Data …. ……ENTER
Exit ……..MENU (twice)

[Video Circuit]

11. Black Level

Purpose: To set the black level of the picture.

Symptom: Excess or insufficient brightness.

Measuring Instrument	-----
Test Point	-----
Ext. Trigger	------
Measuring Range	------
Input Signal	Monoscope
Input Terminal	Video Input

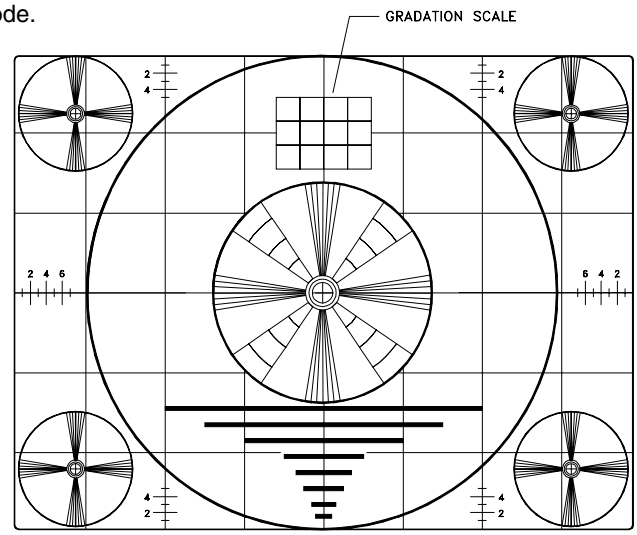
1. Supply a Monoscope signal to a Video Input.
2. Activate the Adjust Mode, Video/Chroma Function.
3. Adjust Item "2 SBRT" so the 0% and 10% black levels on the gradation scale are the same. Make note of the data value.
4. Press ENTER to save data.
5. Use the "3" button to toggle to the HD and 480P modes.
6. Set the data for "2 SBRT" in both modes to the NTSC data value (Step 3).
   NOTE: Press ENTER to save data before switching modes.
7. Exit the Service Mode.

CIRCUIT ADJUST MODE

Activate …….. MENU-8-2-5-7
Function …..……..AUDIO
Item No. ……..……VIDEO
Adjust Data ……..ADJUST
Save Data …. ……ENTER
Exit ……..MENU (twice)

40%	30%	20%	10%
50%	0%	0%	0%
60%	70%	80%	90%

GRADATION SCALE



[Video Circuit]

12. Sub Contrast

Purpose To set overall beam current to its' optimum level.

Symptom: Excess or insufficient contrast.

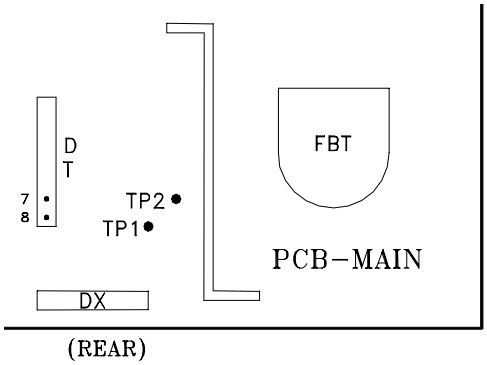
Measuring Instrument	DC ma meter
Test Point	DT connector pins 7 & 8
Ext. Trigger	------
Measuring Range	-----
Input Signal	Grayscale
Input Terminal	RF Input

Note: Activate the Expand mode (full screen).

1. Supply a Grayscale signal to a RF Input.
2. Activate the Adjust Mode, Video/Chroma Function.
3. Select Item "1 SCT", signal level automatically reduces.
4. Connect a 3ma DC meter between DT connector pins 7 and 8. Positive lead to pin 7.
5. Adjust Item "1 SCT" for 645µA ±20µA (900µa ±20µa on the WS-73907). Note the data value.
6. Press Enter to save data.
7. Remove the meter.
8. Use the "3" button to toggle to the HD and 480P modes.
9. Set the data for "1 SCT" in both modes to the NTSC data value (Step 5).
   NOTE: Press ENTER to save data before switching modes.
10. Save data and Exit the Service Mode.

CIRCUIT ADJUST MODE

Activate …….. MENU-8-2-5-7
Function …..……..AUDIO
Item No. ……..……VIDEO
Adjust Data ……..ADJUST
Save Data …. ……ENTER
Exit ……..MENU (twice)



[Focus Circuit]

13. Dynamic Focus Preset

Purpose: To improve edge focus.

Symptom: Poor focus at the edges of the screen.

Measuring Instrument	-----
Test Point	-----
Ext. Trigger	------
Measuring Range	-----
Input Signal	Monoscope
Input Terminal	Video Input

1. Supply a Monoscope signal to a Video Input
2. Activate the Convergence Mode.
3. Select the DF Function under the Conv. Coarse Mode.
4. Set Items “0 DFH” and “1 DFV” to the data values given in the Table.
5. Exit the Conv. Mode.

CONVERGENCE MODE

Activate ……..MENU-8-2-5-9
Misc. ……"6"
Coarse……."5"
Fine ……."4"
Color (R,G or B)……AUDIO
Item No……..VIDEO
Adjust/Move…….ADJUST
Cursor Toggle……..ENTER
Save & Exit…..MENU (twice)

DF

Item #	Abbrev.	Data
0	DFH	175
1	DFV	100

[CRT Circuit]

14. Electrostatic Focus

Purpose To set electrostatic focus to the optimum point.

Symptom: Poor focus.

Measuring Instrument	-----
Test Point	-----
Ext. Trigger	------
Measuring Range	------
Input Signal	Monscope
Input Terminal	Video Input

Note: *This adjustment must be performed after the Sub Contrast adjustment.*

1. Supply a Monoscope signal to a Video Input
2. Activate A/V Reset
3. Select Red, Green or Blue rasters using the table below.
3. Set the Red, Green and Blue Focus VRs for optimum focus at the top center of the picture..

Raster Color Selection

Color Raster	Activation Code
Red	MENU-8-2-5-9-1
Green	MENU-8-2-5-9-2
Blue	MENU-8-2-5-9-3

[Video Circuit]

15. Lens Focus

Purpose: To set the Lens position for optimum focus.

Symptom: Poor focus

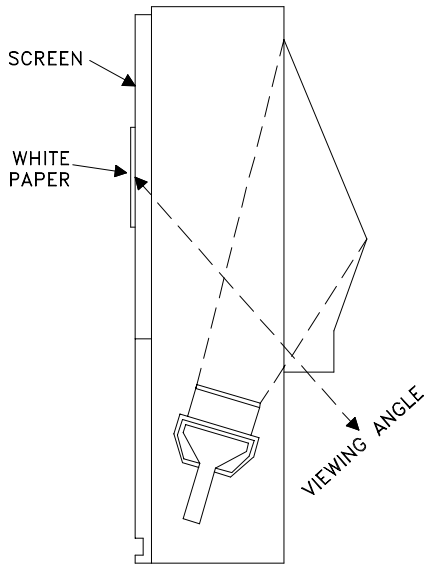
Measuring Instrument	-----
Test Point	------
Ext. Trigger	------
Measuring Range	-----
Input Signal	Monoscope
Input Terminal	Video Input

Note: *This adjustment must follow item 6 (Electrostatic Focus). Perform this adjustment for RED, GREEN, and BLUE monochrome pictures.*

1. Supply a VIDEO signal (Monoscope).
2. Cover the Red and Blue Lens (producing a green raster).
3. Adjust the Green Lens for best focus at the center of the Monoscope pattern.

Note: *Attach a white paper to the screen center. During adjustment, observe the picture on the screen from inside for easier adjustment.*

4. Repeat Steps 2 and 3 for the Red and Blue monochrome pictures.



[On Screen Display]

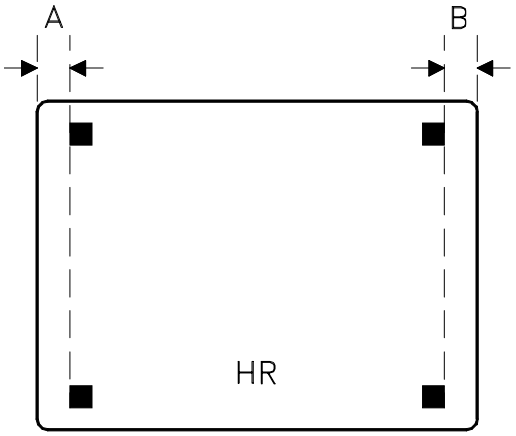
16.Character Position

Purpose To position the character display horizontally.

Symptom: Incorrect display position

Measuring Instrument	-----
Test Point	-----
Ext. Trigger	------
Measuring Range	------
Input Signal	Video Signal
Input Terminal	Video Input

1. Supply a video signal to a Video Input
2. Enter the Adjustment Mode HR function.
3. Adjust so the width of (A) and (B) are equal as shown below.
3. Save data and exit the Service Mode.



CIRCUIT ADJUST MODE

Activate …….. MENU-8-2-5-7
Function ……..……..AUDIO
Item No. ……VIDEO
Adjust Data ……..ADJUST
Save Data …. ……ENTER
Exit ……..MENU (twice)

[Conv/Defl]

18. Geometry Preset

Purpose: To preset data controlling raster geometry

Symptom: Raster distortion.

Measuring Instrument	-----
Test Point	------
Ext. Trigger	------
Measuring Range	-----
Input Signal	NTSC & HD 1080i
Input Terminal	Video & DTV Inputs

CIRCUIT ADJUST MODE

Activate …….. MENU-8-2-5-7
Function ……..AUDIO
Item No. ……VIDEO
Adjust Data ……ADJUST
Save Data …. ……ENTER
Exit ……..MENU (twice)

CONVERGENCE MODE

Activate ……..MENU-8-2-5-9
Misc. ……"6"
Coarse……"5"
Fine ……..."4"
Color (R,G or B)……AUDIO
Item No……VIDEO
Adjust/Move…….ADJUST
Cursor Toggle……..ENTER
Save & Exit…..MENU (twice)

CONV. HD WITH NO SIGNAL

1. MENU-8-2-7-0
2. Set DTV Port to 1080i
3. MENU (twice)
4. INPUT select DTV Inputs
5. MENU-8-2-5-9

After adjusting, set the DTV Port to AUTO

Note: *This procedure is usually only necessary if:*
- *An E2PROM is replaced in the Control or Convergence circuits.*
- *E2RESET or Convergence Reset has been activated.*

Procedure

In the Circuit Adjustment and Coarse Convergence Modes set the data to the values given in the Tables below in both the NTSC (SD) and 1080i (HD) modes.

Note: *If a HD signal is not available, use the Conv. HD With No Signal procedure discribed in detail on page 26, Convergence Adjustment Mode.*

DEFL JUNGLE (MENU-8-2-5-7)

Item #	Abbrev.	46" Data		55/65" Data		73" Data	
		NTSC	HD	NTSC	HD	NTSC	HD
1	HWID	44	38	33	33	57	47
2	HKEY	25	30	31	31	31	31
3	EWPT	25	31	31	26	31	26
5	EWPB	20	27	20	26	20	26
7	VHGT	31	21	38	31	38	31
8	VLIN	0	0	9	9	9	9
9	VSCN	7	7	0	0	0	0
20	VPOS	63	0	31	31	31	31

CONV GREEN (MENU-8-2-5-9)

Item #	Abbrev.	Data (SD/HD)		
		46"	55-65"	73"
0	HSTA	-35/-35	-35/-35	-35/-35
1	SPCC	0/0	0/0	0/0
2	HWID	0/0	0/0	0/+30
3	SKEW	0/0	0/0	0/0
4	VSTA	-35/-35	-35/-35	-35/-35
5	VKEY	0/0	0/0	0/-10
6	TBPC	-220/-200	-220/-200	-220/-200
7	TILT	0/0	0/0	0/0

CONV RED (MENU-8-2-5-9)

Item #	Abbrev.	Data (SD/HD)		
		46"	55-65"	73"
0	HSTA	+75/+75	+40/+50	+40/+50
1	HLIN	-225/-210	-210/-200	-210/-200
2	SKEW	+5/+5	+10/+10	+10/+10
3	HWID	+15/+20	-25/-5	-25/-5
4	HSBW	+30/+30	+30/+30	+30/+30
5	VSTA	-20/-20	-20/-20	-20/-20
6	VKEY	-115/-85	-100/-85	-100/-85
7	TILT	0/0	0/0	0/0

CONV BLUE (MENU-8-2-5-9)

Item #	Abbrev.	Data (SD/HD)		
		46"	55-65"	73"
0	HSTA	-75/-75	-40/-40	-40/-40
1	HLIN	+240/+215	+240/+220	+240/+220
2	SKEW	0/0	-10/-10	-10/-10
3	HWID	-15/-20	-20/-5	-20/-5
4	HSBW	-45/-45	-45/-45	-45/-45
5	VSTA	-5/-5	-10/-10	-10/-10
6	VKEY	+115/+105	+115/+115	+115/+115
7	TILT	0/0	0/0	0/0

[Deflection Circuit]

19: Deflection Geometry Height & Width Adjustment

Purpose: To set the height, width and linearity of the raster.

Symptom: Incorrect height, width and/or linearity.

Measuring Instrument	-----
Test Point	-----
Ext. Trigger	------
Measuring Range	-----
Input Signal	Monoscope (NTSC & HD 1080i)
Input Terminal	Video & DTV Inputs

Preliminary:

1. DO NOT change the initial values for "#8 VLIN" in the Defl. Jungle Function.
2. DO NOT exceed the following VHGT adjustment ranges:
   NTSC ... from -4 to +10
   HD ... FROM -10 TO +5

NTSC Mode

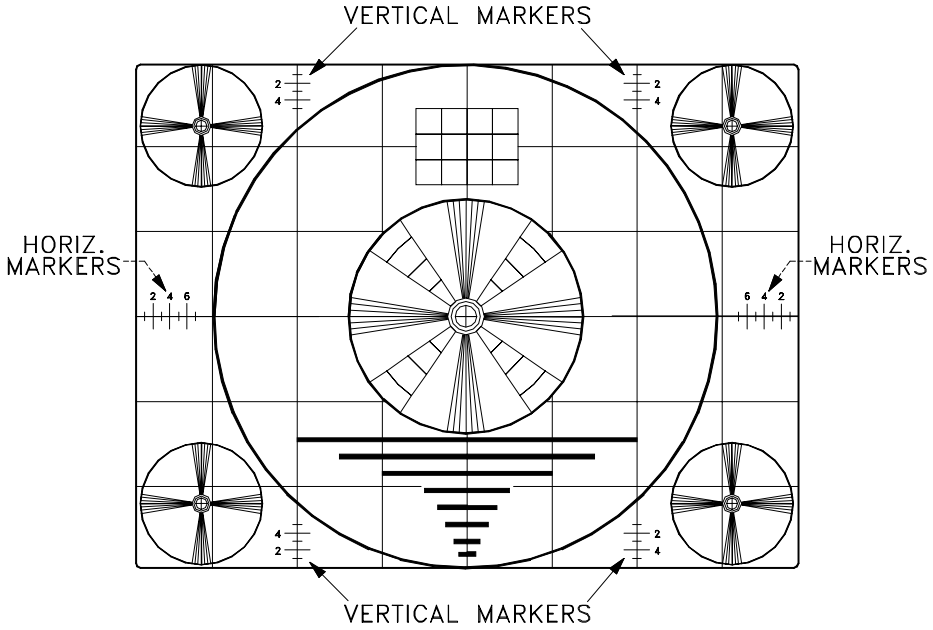
1. Supply an NTSC Monoscope signal to a Video Input.
2. Select the Monoscope as the signal source (Input button)
3. Activate the Adjustment Mode, Defl. Jungle Function.
4. Select and adjust each of the following items.
   - "7 VHGT" ... so the vertical marker sum = 4
   - "1 HWD" ... so the horizontal marker sum = 7
5. Save data and Exit the Service Mode.

CIRCUIT ADJUST MODE

Activate …….. MENU-8-2-5-7
Function ……..……..AUDIO
Item No. ……VIDEO
Adjust Data ……..ADJUST
Save Data …. ……ENTER
Exit ……..MENU (twice)

HD Mode

1. Supply a HD 1080i Monoscope signal to the DTV Inputs.
2. Select the DTV Inputs as the signal source (Input button)
3. Activate the Service Mode, Defl. Jungle Function.
4. Select and adjust each of the following items.
   - "7 VHGT" ... so the vertical marker sum = 2
   - "1 HWD" ... so the horizontal marker sum = 10
5. Save data and Exit the Service Mode.



[Convergence Circuit]

20. Convergence Geometry Adjustment

Purpose: To set the Convergence circuit geometry adjustments.

Symptom: Raster distortion at the top, bottom or sides of the picture.

Measuring Instrument	-----
Test Point	------
Ext. Trigger	------
Measuring Range	-----
Input Signal	NTSC -- None HD -- HD 1080i sync
Input Terminal	Video & DTV Inputs

Note: *Width, Height and Linearity Adjustments must be performed before this adjustment.*

NTSC mode

1. Select a Video Input with no signal.
2. Activate the Convergence Mode, Coarse Green.
3. Adjust the Coarse Green Items shown below for straight crosshatch lines.
4. Select the Fine Green Mode, a Cursor is displayed on the crosshatch.
5. Use the Cursor to adjust for straight crosshatch lines.
6. Exit the Convergence Mode.

HD mode

1. Supply a HD 1080i signal to the DTV Inputs.
   Note: *If a HD signal is not available, use the Conv. HD With No Signal procedure discribed in detail on page 26, Convergence Adjustment Mode.*
2. Select the DTV Inputs as the signal source (Input button)
3. Enter the Convergence Mode, Coarse Green.
4. Repeat NTSC Steps 3 through 6 in the HD mode.

CONVERGENCE MODE

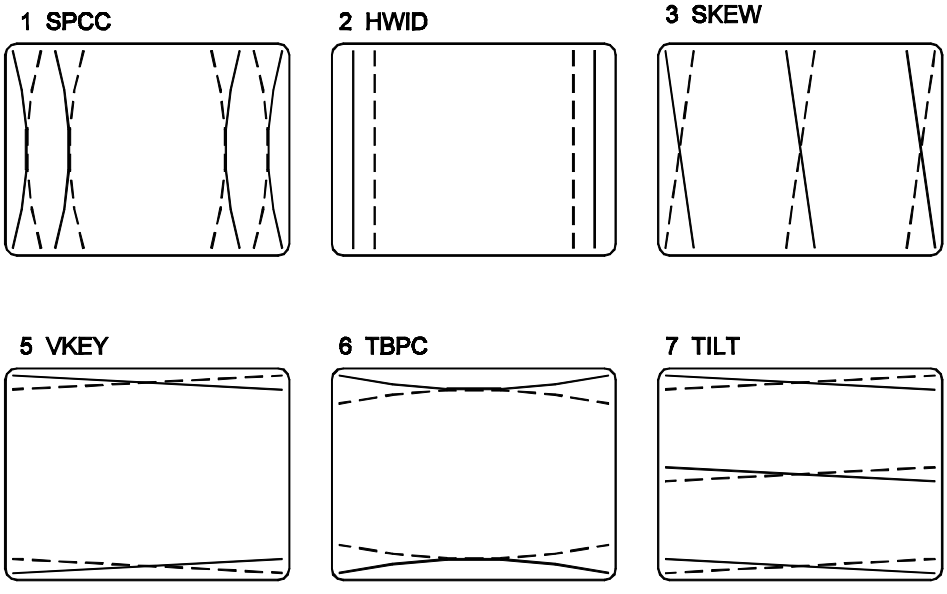
Activate ……..MENU-8-2-5-9
Misc. ……."6"
Coarse……."5"
Fine ……."4"
Color (R,G or B)……AUDIO
Item No……..VIDEO
Adjust/Move…….ADJUST
Cursor Toggle……..ENTER
Save & Exit…..MENU (twice)

CONV. HD WITH NO SIGNAL

1. MENU-8-2-7-0
2. Set DTV Port to 1080i
3. MENU (twice)
4. INPUT select DTV Inputs
5. MENU-8-2-5-9

After adjusting, set the DTV Port to AUTO

COARSE GREEN ADJUSTMENTS



[Convergence Circuit]

21. Centering and Static Convergence

Purpose: To converge red, green and blue at the center of the screen

Symptom: Color edging over the entire picture.

Measuring Instrument	-----
Test Point	-----
Ext. Trigger	------
Measuring Range	-----
Input Signal	NTSC -- Monoscope HD -- 1080i Monoscope
Input Terminal	Video & DTV Inputs

CONVERGENCE MODE

Activate ……..MENU-8-2-5-9
Misc. ……"6"
Coarse……"5"
Fine ……"4"
Color (R,G or B)……AUDIO
Item No……..VIDEO
Adjust/Move…….ADJUST
Cursor Toggle……..ENTER
Save & Exit…..MENU (twice)

Preliminary

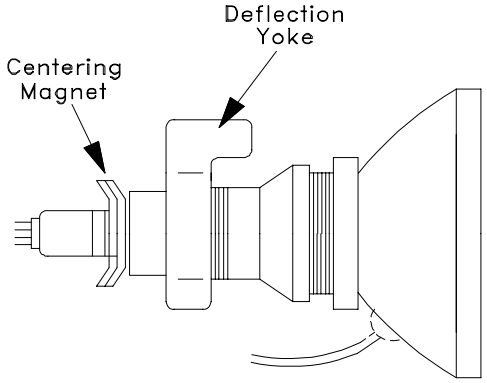
Degauss the shield cover and bracket unit of the CRT assembly and chassis.
DO NOT degauss the centering ring magnets located on the yokes.

HD mode

1. Supply a HD 1080i Monoscope signal to the DTV Inputs.
2. Select the DTV Inputs as the signal source (Input button).
3. Enter the Convergence Coarse mode.
4. Set the data for the “HSTA” and “VTSA” items for red, green and blue to 0.
5. In the Coarse Green mode:
   - Center the Green Raster using the Green Centering Magnet.
   - Rotate the Green Deflection Yoke to correct any tilt.
6. In the Coarse Red mode, use the Red Centering Magnet to converge red on the green at the center of screen. Correct any red tilt with the Red Deflection Yoke.
7. In the Coarse Blue mode, repeat Step 6 using the Blue Centering magnet and the Blue Deflection Yoke.
8. Exit the Convergence mode.

SD mode

1. Supply an NTSC Monoscope signal to a Video Input.
2. Select the Monoscope as the signal source (Input button).
3. Enter the Convergence Coarse mode.
4. In the Coarse Green mode, use Items “0 HSTA” and “4 VSTA” to center the green raster.
5. In the Coarse Red mode, use Items “0 HSTA” and “5 VSTA” to converge red on the green at the center of the screen.
6. In the Coarse Blue mode, repeat step 5 to converge the blue on the green.
7. Exit the Convergence mode.



[Convergence Circuit]

22. Coarse Convergence

Purpose: To converge red and blue on green at the edges of the screen.

Symptom: Color edging at the top, bottom and sides of the screen.

Measuring Instrument	-----
Test Point	------
Ext. Trigger	------
Measuring Range	-----
Input Signal	NTSC -- None HD -- HD 1080i sync
Input Terminal	Video & DTV Inputs

SD mode

1. Select an External Input with no signal.
2. Activate the Convergence Mode, Coarse Red.
3. Adjust the Items shown below to converge the red on the green.
4. Select Coarse Blue mode.
5. Adjust the Items shown below to converge the blue on the green.
   Note: *If center convergence shifts, use red and blue Items "0 HSTA" and "5 VSTA" to correct the shift.*
6. Exit the Convergence Mode.

HD mode

1. Supply a HD 1080i signal to the DTV inputs, and use the "Input" button to select the DTV inputs as the source.
   Note: *If a HD signal is not available, use the Conv. HD With No Signal procedure discribed in detail on page 26, Convergence Adjustment Mode.*
2. Repeat SD Steps 2 through 5 in the HD mode.
3. Exit the Convergence mode.

CONVERGENCE MODE

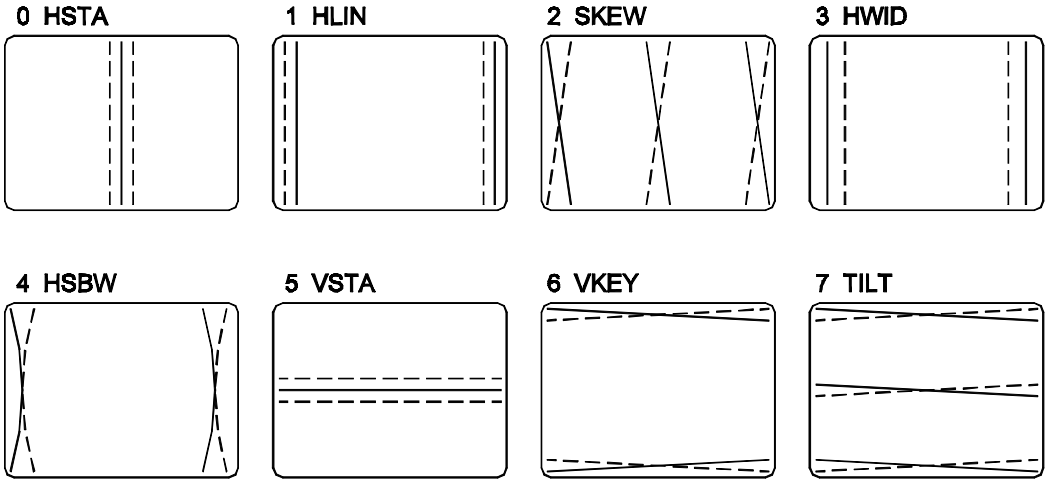
Activate ……..MENU-8-2-5-9
Misc. ……"6"
Coarse……..…."5"
Fine ……..."4"
Color (R,G or B)……AUDIO
Item No……..VIDEO
Adjust/Move…….ADJUST
Cursor Toggle……..ENTER
Save & Exit…..MENU (twice)

CONV. HD WITH NO SIGNAL

1. MENU-8-2-7-0
2. Set DTV Port to 1080i
3. MENU (twice)
4. INPUT select DTV Inputs
5. MENU-8-2-5-9

After adjusting, set the DTV Port to AUTO

COARSE CONVERGENCE RED & BLUE ADJUSTMENTS



[Convergence Circuit]

23. Fine Convergence

Purpose: To converge red, green and blue at the edges of the screen

Symptom: Color edging at the edges of the picture.

Measuring Instrument	-----
Test Point	-----
Ext. Trigger	------
Measuring Range	-----
Input Signal	NTSC -- None HD -- HD 1080i sync
Input Terminal	Video & DTV Inputs

CONVERGENCE MODE

Activate ……..MENU-8-2-5-9
Misc. ……"6"
Coarse……..…."5"
Fine ……..."4"
Color (R,G or B)……AUDIO
Item No……..VIDEO
Adjust/Move…….ADJUST
Cursor Toggle……..ENTER
Save & Exit…..MENU (twice)

SD Fine Adjustment

1. Select an External Input, no signal.
2. Activate the Convergence Mode, Fine Red.
3. Use the Cursor to converge red on the green.
4. Select the Fine Blue mode.
5. Use the Cursor to converge blue on the green.
6. Exit the Convergence mode.

HD Fine Adjustment

1. Supply a HD 1080i signal to the DTV inputs, and use the “Input” button to select the DTV inputs as the source.
   Note: *If a HD signal is not available, use the Conv. HD With No Signal procedure discribed in detail on page 26, Convergence Adjustment Mode.*
2. Repeat SD Steps 2 through 7, in the HD mode.

CONV. HD WITH NO SIGNAL

1. MENU-8-2-7-0
2. Set DTV Port to 1080i
3. MENU (twice)
4. INPUT select DTV Inputs
5. MENU-8-2-5-9

After adjusting, set the DTV Port to AUTO

CHIP PARTS REPLACEMENT

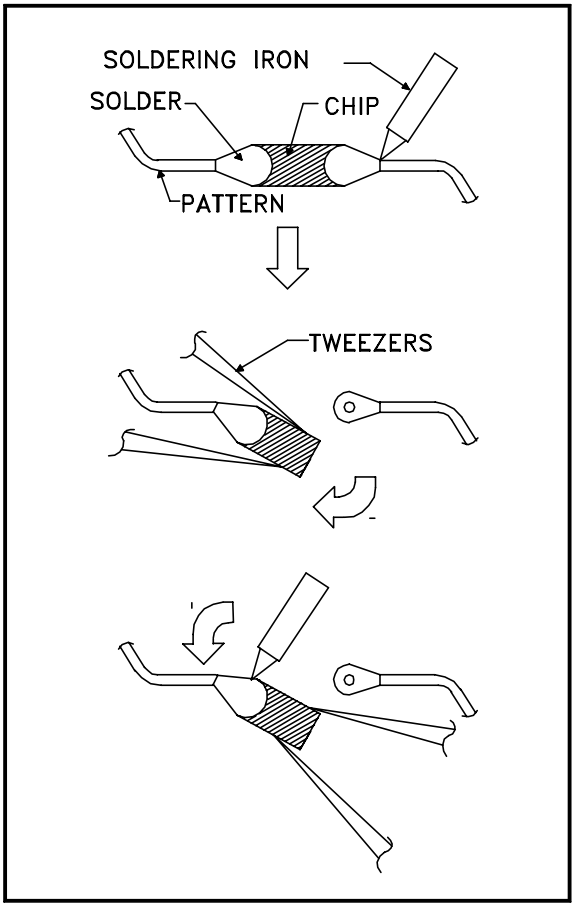
Some resistors, shorting jumpers (0 Ohm resistors), ceramic capacitors, transistors and diodes are chip parts. The following precautions should be taken when replacing these parts.

Cautions:

1. Use a fine tipped, well insulated soldering iron (approximately 30 watts), and tweezers.
2. Melt the solder and remove the chip parts carefully so as not to tear the copper foil from the printed circuit board.
3. Discard removed chips; do not reuse them.
4. Do not apply heat for more than 3 (three) seconds to new chip parts.
5. Avoid using a rubbing stroke when soldering.
6. Take care not to scratch, or damage the chip parts when soldering.
7. Supplementary cementing is not required.

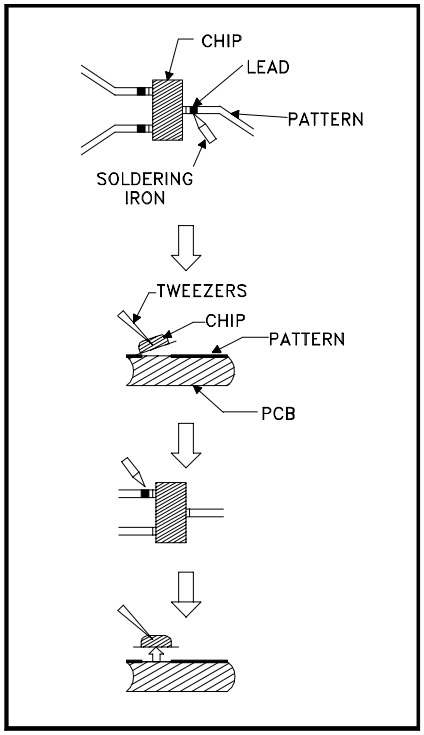
Chip Parts Removal (Resistors, Capacitors, etc.)

1. Grasp the part with tweezers. Melt the solder at both sides alternately, and remove one side of the part with a twisting motion.
2. Melt the solder at the other side and remove the part.



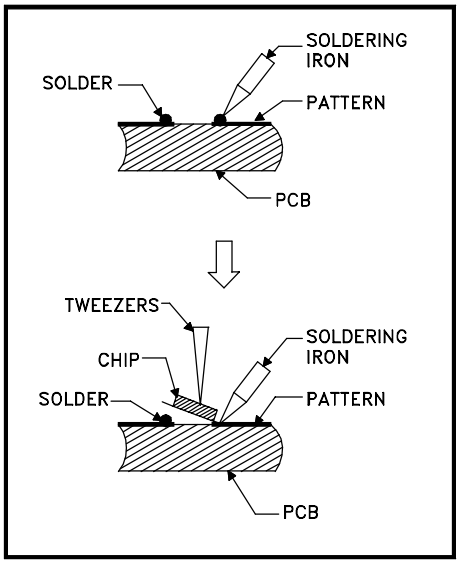
Chip Parts Removal (Transistors)

1. Melt the solder of one lead and lift the side of that lead upward.
2. Simultaneously melt the solder of the other two leads and lift the part from the PCB.



Replacement

1. Presolder the contact points on the circuit pattern.
2. Press the part downward with tweezers and apply the soldering iron as shown.



REPLACEMENT PARTS

Parts Ordering
To expedite delivery of replacement parts orders, specify the following:

1. Model Number/Serial Number
2. Part Number and description
3. Quantity

Note: Unless complete information is supplied, delay in processing of orders will result.

Critical and Warranty Parts Designation

Critical Electrical Components are indicated by **Bold Type** in the Parts List, and in the schematic diagrams by shading.

Warranty Return Parts are indicated in the Parts List with an **(*)**.

Parts Tolerance Codes
Refer to the following chart for tolerance characteristics of electrical components.

MARK	B	C	D	F	G	J	K
Tolerance %	± 0.1	± 0.25	± 0.5	± 1	± 2	± 5	± 10

MARK	M	N	V	X	Z	P	Q
Tolerance %	± 20	± 30	± 10	+ 40 -20	+ 80 -20	+ 100 - 0	+ 30 -10

MARK	M	N	V	X	Z
Tolerance (pF)	± 0.1	± 0.25	± 0.5	± 1	± 2

QUICK REFERENCE FOR COMMON REPLACEMENT PARTS

CRT ASSEMBLIES

MODEL	ASSY-CRT-RED	ASSY-CRT-GREEN	ASSY-CRT-BLUE
WT-46807	***251C208040**	***251C208050**	***251C208060**
WS-55807	***251C207040**	***251C207050**	***251C207060**
WS-55857	***251C208010**	***251C208020**	***251C208030**
WS-55907	***251C208070**	***251C208080**	***251C208030**
WS-65807	***251C207070**	***251C207080**	***251C207090**
WS-65857	***251C207070**	***251C207080**	***251C207090**
WS-65907	***251C209010**	***251C209020**	***251C207090**
WS-73907	***251C209040**	***251C209050**	***251C209060**

REMOTE CONTROL

290P103010	REMOTE CONTROL	Only WS-55807/65807/WT-46807
290P103020	REMOTE CONTROL	All Except WS-55807/65807/WT-46807

HIGH VOLTAGE / DEFLECTION COMPONENTS

Q5A31	261P071010	HORIZ-OUT 2SC5418 RL	
Q5A51	**261P08201**	**HV-OUT 2SK2771-O1R**	
T5A51	**334P265040**	**TRANS-FLYBACK**	
	920P016010	**HV-BLOCK**	
	129P059050	VR-FOCUS	
	330P276010	**DEFL-YOKE**	
	453B035010	**CAP ANODE-RED**	**Except WS-73907**
	453B035020	**CAP ANODE-B&G**	**Except WS-73907**
	453BO35030	**CAP ANODE-RED**	**Only WS-73907**
	453B035O40	**CAP ANODE-B&G**	**Only WS-73907**

MISCELLANEOUS

MODEL	MIRROR	LENTICULAR SCREEN	FRESNEL LENS	Diamond Shield™
WT-46807	767D055050	491P118010	491P119010	760D627050
WS-55807	767D055040	491P103010	491P104010	760D627060
WS-55857	767D055040	491P103010	491P104010	760D628010
WS-55907	767D055040	491P103010	491P104010	760D628010
WS-65807	767D048090	491P105020	491P106020	760D627080
WS-65857	767D048090	491P105010	491P106010	760D627070
WS-65907	767D048090	491P105010	491P106010	760D628020
WS-73907	767C031010	491P085020	491P086020	760D628030

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description	[#]
		TUBES	
*	**251C207040**	**ASSY-CRT-RED**	**1**
*	**251C207050**	**ASSY-CRT-GREEN**	**1**
*	**251C207060**	**ASSY-CRT-BLUE**	**1**
*	**251C207070**	**ASSY-CRT-RED**	**4&5**
*	**251C207080**	**ASSY-CRT-GREEN**	**4&5**
*	**251C207090**	**ASSY-CRT-BLUE**	**4-6**
*	**251C208010**	**ASSY-CRT-RED**	**2**
*	**251C208020**	**ASSY-CRT-GREEN**	**2**
*	**251C208030**	**ASSY-CRT-BLUE**	**2&3**
*	**251C208040**	**ASSY-CRT-RED**	**8**
*	**251C208050**	**ASSY-CRT-GREEN**	**8**
*	**251C208060**	**ASSY-CRT-BLUE**	**8**
*	**251C208070**	**ASSY-CRT-RED**	**3**
*	**251C208080**	**ASSY-CRT-GREEN**	**3**
*	**251C209010**	**ASSY-CRT-RED**	**6**
*	**251C209020**	**ASSY-CRT-GREEN**	**6**
*	**251C209040**	**ASSY-CRT-RED**	**7**
*	**251C209050**	**ASSY-CRT-GREEN**	**7**
*	**251C209060**	**ASSY-CRT-BLUE**	**7**
		INTEGRATED CIRCUITS	
IC2C01	275P496010	IC-C-MOS - UPD64082GF-3BA	
IC2C02	275P531010	IC-C-MOS - MSM54V16258B-45TS-K	
IC2C03	270P817010	IC - L4931CDT33-TR	
IC2C04	270P526020	IC - MM1111XF	
IC2K01	270P623010	IC - CXA2069Q	
IC2L01	270P623010	IC - CXA2069Q	
IC2V00	270P663020	IC - CXA2101AQ	
IC2V01	275P581010	IC-C-MOS - TC7SET08FU	
IC2X01	270P781010	IC - BA7078AF	
IC2X02	270P781010	IC - BA7078AF	
IC2X06	270P777010	IC - TDA9177	
IC2X07	274P378010	IC-C-MOS - TC74HC4053AF	
IC2X08	275P423010	IC-C-MOS - MAX4583CSE	
IC2Y01	274P378010	IC-C-MOS - TC74HC4053AF	
IC2Y02	275P423010	IC-C-MOS - MAX4583CSE	
IC2Y03	274P378010	IC-C-MOS - TC74HC4053AF	
IC2Y04	275P423010	IC-C-MOS - MAX4583CSE	
IC2Y05	274P378010	IC-C-MOS - TC74HC4053AF	
IC2Y06	275P423010	IC-C-MOS - MAX4583CSE	
IC2Y07	274P378010	IC-C-MOS - TC74HC4053AF	
IC2Y08	275P423010	IC-C-MOS - MAX4583CSE	
IC2Y09	274P378010	IC-C-MOS - TC74HC4053AF	
IC2Y10	275P423010	IC-C-MOS - MAX4583CSE	
IC3A01	270P467010	IC - TDA9855	
IC3E01	**270P750010**	**IC - LA4663**	
IC4A01	270P664010	IC - CXA2102Q	
IC4A02	270P575030	IC - NJM78M09DLA - TE1	
IC4A03	263P384010	IC-C-MOS - TC74HC221AF-EL	
IC4B01	270P261020	IC - TDA8177	
IC5A00	**267P143020**	**KIC - MSPAD101**	
IC5A01	**272P237010**	**IC - LA6324N**	
IC5A02	**266P154010**	**IC - UPC393C**	
IC5A03	**270P704010**	**IC - LM4040BIZ-10.0**	
IC5A05	270P816010	IC - NJM431L	
IC6M00	270P658020	IC - CXA2019AQ	
IC6M90	272P379020	IC - LM1881MX (NSC)	
IC6P00	270P658020	IC - CXA2019AQ	
IC6P90	272P379020	IC - LM1881MX (NSC)	
IC7A00	**275P497010**	**IC-C-MOS - MN102HF57KCES**	
IC7A01	274P901010	IC-C-MOS - TC74HCT7007AF-EL	
IC7C01	275P533010	IC-C-MOS - M24C64WM6T	
IC7C02	275P533010	IC-C-MOS - M24C64WM6T	
IC7C03	275P419010	IC-C-MOS - SN74AHCT1G126DBV	
IC7C05	270P645010	IC - TDA8444T	
IC7C06	267P131010	HIC - SI-3033C	23567
IC7C07	270P817010	IC - L4931CDT33-TR	
IC7C08	270P706020	IC - MAX823REUK	
IC7C10	275P419010	IC-C-MOS - SN74AHCT1G126DBV	
IC7D00	275P451010	IC-C-MOS - TC74HC4066AFN-ELP	
IC7D01	275P560010	IC - ADS931E	
IC7D02	275P560010	IC - ADS931E	
IC7D03	275P560010	IC - ADS931E	
IC7D10	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7D11	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7E00	275P451010	IC-C-MOS - TC74HC4066AFN-ELP	
IC7E01	275P560010	IC - ADS931E	
IC7E02	275P560010	IC - ADS931E	
IC7E03	275P560010	IC - ADS931E	
IC7E10	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7E11	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7G01	275P247010	IC-C-MOS - MB40C958VPFV	
IC7G04	275P534010	IC-C-MOS - TC74HCT574AFW-ELP	
IC7G05	275P534010	IC-C-MOS - TC74HCT574AFW-ELP	
IC7H00	275P405010	IC-C-MOS - MSM56V16160D-10TS-K	
IC7H01	275P405010	IC-C-MOS - MSM56V16160D-10TS-K	
IC7H02	275P436010	IC - TMC57127PPM	
IC7H03	275P439020	IC - MSM53403E	
IC7H04	270P506010	IC - M51957BFP	
IC7H05	263P384010	IC-C-MOS - TC74HC221AF-EL	
IC7H06	270P348010	IC - TLC2932IPW	
IC7H07	275P437020	IC - SLA4028	
IC7H08	270P348010	IC - TLC2932IPW	
IC7H09	274P901010	IC-C-MOS - TC74HCT7007AF-EL	
IC7H11	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7H12	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7H13	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7H14	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7K21	270P831010	IC-C-MOS - OPA2350PA	23567
IC8A00	275P223010	IC-C-MOS - CM0007AF	
IC8A01	275P222020	IC-C-MOS - M24C32MN6T	
IC8A02	270P348010	IC - TLC2932IPW	
IC8A03	275P420010	IC-C-MOS - MC74HC74AD	
IC8C01	**267P150010**	**HIC - STK392-570**	
IC8C02	**267P150010**	**HIC - STK392-570**	
IC8D01	263P408020	IC-C-MOS - UPD6376GS	
IC8D02	263P408020	IC-C-MOS - UPD6376GS	
IC8D03	263P408020	IC-C-MOS - UPD6376GS	
IC8D04	263P408020	IC-C-MOS - UPD6376GS	
IC8D05	263P408020	IC-C-MOS - UPD6376GS	
IC8D06	263P408020	IC-C-MOS - UPD6376GS	
IC8D07	270P751010	IC - TL084CD	
IC8D08	270P751010	IC - TL084CD	
IC8D09	270P751010	IC - TL084CD	
IC8D10	272P603010	IC - LM78L05ACZ/NJM78L05A	
IC8M01	275P291010	IC-C-MOS - M32000D4AFP	23567
IC8M02	275P557010	IC-C-MOS - TC74LCX32FN-ELP	23567
IC8M03	275P552020	IC-C-MOS - MBM29LV160TE-70PFTN	23567

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description	[#]
IC8M04	270P614010	IC - PST9128NR	23567
IC8M05	275P556010	IC-C-MOS - TC74LCX08FN-ELP	23567
IC8N00	275P553010	IC-C-MOS - CYBERPRO 5000	23567
IC8N01	275P487010	IC-C-MOS - MSM54V25632A-10AGBK4	23567
IC8N02	275P487010	IC-C-MOS - MSM54V25632A-10AGBK4	23567
IC8S01	275P104020	IC-C-MOS - M65439BFP	23567
IC8S02	275P562010	IC-C-MOS - TC74LCX245FW-ELP	23567
IC9A20	**267P151010**	**HIC - STR-G6632**	
IC9A21	**270P816010**	**IC - NJM431L**	
IC9A50	**267P140020**	**HIC - STR-F6628**	
IC9A51	**267P062050**	**HIC - SE110N**	
IC9C01	270P210010	IC - NJM7809FA/AN7809F	
IC9C02	267P131010	HIC - SI-3033C	
IC9C03	270P575030	IC - NJM78M09DLA - TE1	
IC9C05	270P210010	IC - NJM7809FA/AN7809F	

TRANSISTORS

TR-CHIP Type (Listed by Generic Number)

Type	Part No.	Description
PNP	261P801010	2SA1252-5,6
NPN	260P817010	2SA1037K-Q
PNP	260P817030	2SA1037K-S
NPN	260P818010	2SC2412K-Q
NPN	260P818030	2SC2412K-S
NPN	260P835030	2SC2413K-Q
IMZ1	260P849010	IMZI

Conventional Transistors (By Ref #)

Ref #	Part No/	Description	[#]
Q2W06	260P533010	TR - 2SC3598-E	
Q2W09	260P533010	TR - 2SC3598-E	
Q2W12	260P533010	TR - 2SC3598-E	
Q4B01	260P559030	TR - 2SC1740S-S	
Q5A01	260P788010	TR - 2SC4690-O	
Q5A02	260P561020	TR - 2SA1371-E	
Q5A03	260P386010	TR - 2SC2230-GR	
Q5A04	260P559030	TR - 2SC1740S-S	
Q5A05	260P560040	TR - 2SA933S-S	
Q5A06	**260P560040**	**TR - 2SA933S-S**	
Q5A07	260P560040	TR - 2SA933S-S	
Q5A08	260P325030	TR - 2SC2655-Y	
Q5A31	261P071010	TR - 2SC5418 RL	
Q5A32	260P587040	TR - 2SC2333-M,L	
Q5A33	260P559030	TR - 2SC1740S-S	
Q5A34	260P691010	TR - 2SA1358-Y	
Q5A35	260P386010	TR - 2SC2230-GR	
Q5A36	260P630010	TR - 2SD2012	
Q5A37	260P559030	TR - 2SC1740S-S	
Q5A38	260P559030	TR - 2SC1740S-S	
Q5A51	**261P082010**	**TR - 2SK2771-01R**	
Q5H08	260P559050	TR - 2SC1740S-E	
Q5H09	260P559050	TR - 2SC1740S-E	
Q5H10	260P560040	TR - 2SA933S-S	
Q5H11	260P573020	TR - 2SB940A-P	
Q5H12	260P574020	TR - 2SD1264A-P	
Q5K00	260P664030	TR - 2SC4636	
Q5K01	260P664030	TR - 2SC4636	
Q5K02	260P559050	TR - 2SC1740S-E	
Q5K03	260P560040	TR - 2SA933S-S	
Q6B00	260P649020	TR - 2SC3942	
Q6B02	260P696010	TR - 2SC3790	
Q6B03	260P627020	TR - 2SA1480-D,E	
Q6B04	260P560040	TR - 2SA933S-S	
Q6G00	260P649020	TR - 2SC3942	
Q6G02	260P696010	TR - 2SC3790	
Q6G03	260P627020	TR - 2SA1480-D,E	
Q6R00	260P649020	TR - 2SC3942	
Q6R02	260P696010	TR - 2SC3790	
Q6R03	260P627020	TR - 2SA1480-D,E	
Q7A02	261P114010	TR - 2SA1585STPR	23567
Q7B10	260P560040	TR - 2SA933S-S	1-8
Q7K11	260P559030	TR - 2SC1740S-S	235678
Q7K12	260P560040	TR - 2SA933S-S	235678
Q7K21	260P559030	TR - 2SC1740S-S	23567
Q7L21	260P559030	TR - 2SC1740S-S	1&4
Q7L22	260P560040	TR - 2SA933S-S	1&4
Q9A20	**261P101010**	**TR - PHP21N06T**	
Q9A21	260P559030	TR - 2SC1740S-S	
Q9A22	260P559030	TR - 2SC1740S-S	
Q9A23	**261P101010**	**TR - PHP21N06T**	
Q9A50	260P416030	TR - 2SC2274-F,K-F	
Q9A51	260P559030	TR - 2SC1740S-S	
Q9A53	260P559030	TR - 2SC1740S-S	
Q9A54	260P559030	TR - 2SC1740S-S	

DIODES

D2J08	264P484040	DIODE - RD5.6FB3	
D2J09	264P484040	DIODE - RD5.6FB3	
D2V44	264P822010	D-CHIP - HSM2838	
D2W01	264P822010	D-CHIP - HSM2838	
D2W02	264P822010	D-CHIP - HSM2838	
D2W03	264P501030	DIODE - HZ2CLL	
D2W04	264P501040	DIODE - HZ3ALL	
D4B01	264D056020	DIODE - S5500D/EM 1Z/ERB12-02RK	
D4B02	264P045040	DIODE - 1S24710M	
D4B03	264P483070	DIODE - RD5.1FB1	
D4B04	264P045040	DIODE - 1S24710M	
D5A01	264P045040	DIODE - 1S24710M	
D5A02	264D056020	DIODE - S5500D/EM 1Z/ERB12-02RK	
D5A12	264P045040	DIODE - 1S24710M	
D5A13	264P483070	DIODE - RD5.1FB1	
D5A14	264P045040	DIODE - 1S24710M	
D5A15	264P045040	DIODE - 1S24710M	
D5A34	264P483070	DIODE - RD5.1FB1	
D5A35	264P045040	DIODE - 1S24710M	
D5A36	264P045040	DIODE - 1S24710M	
D5A37	264P521040	DIODE - EU1A	
D5A51	**262P039010**	**DIODE - BYW96E/20**	
D5A52	**264P899010**	**DIODE - BYV26E**	
D5A53	**264P466040**	**DIODE - EQA02-15AB/RD16EB1**	
D5A54	**264P724010**	**DIODE - STF14**	
D5A55	**264P724010**	**DIODE - STF14**	
D5A56	**264P045040**	**DIODE - 1S24710M**	
D5A57	**264P521040**	**DIODE - EU1A**	
D5A58	**264P045040**	**DIODE - 1S24710M**	
D5A59	**264P045040**	**DIODE - 1S24710M**	
D5A60	**264P466040**	**DIODE - EQA02-15AB/RD16EB1**	
D5H01	264P045040	DIODE - 1S24710M	

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description	[#]
D5H02	264P045040	DIODE - 1S24710M	
D5H09	264P045040	DIODE - 1S24710M	
D5K01	264P528030	DIODE - RP1H	
D5K02	264P543010	DIODE - EG01	
D5K03	264P543010	DIODE - EG01	
D5K10	264P528030	DIODE - RP1H	
D5K11	264P528030	DIODE - RP1H	
D6B00	264P573020	DIODE - EG1A	
D6B02	264P045040	DIODE - 1S24710M	
D6B03	264P457080	DIODE - RD3.3EB1	
D6B04	264P045040	DIODE - 1S24710M	
D6B06	264P045040	DIODE - 1S24710M	
D6G00	264P573020	DIODE - EG1A	
D6G02	264P045040	DIODE - 1S24710M	
D6G04	264P045040	DIODE - 1S24710M	
D6G06	264P045040	DIODE - 1S24710M	
D6R00	264P573020	DIODE - EG1A	
D6R02	264P045040	DIODE - 1S24710M	
D6R04	264P045040	DIODE - 1S24710M	
D6R06	264P045040	DIODE - 1S24710M	
D7C03	264P045040	DIODE - 1S24710M	
D7C04	264P045040	DIODE - 1S24710M	
D7C06	264P822010	D-CHIP - HSM2838	23567
D7C07	264P822010	D-CHIP - HSM2838	
D7C08	264P822010	D-CHIP - HSM2838	
D7H01	264P822010	D-CHIP - HSM2838	
D7K01	264P212020	D-LED - LN31GPH	235678
D7K12	264P501050	DIODE - HZ3BLL	235678
D7K21	268P100010	PHOTO DIODE - SFH235FA	23567
D7K22	264P045040	DIODE - 1S24710M	23567
D7L21	264P212020	D-LED - LN31GPH	1&4
D7L23	264P501050	DIODE - HZ3BLL	1&4
D8C01	264P045040	DIODE - 1S24710M	
D8D03	264P486060	DIODE - RD9.1FB3	
D8D04	264P486060	DIODE - RD9.1FB3	
D9A01	**262P031010**	**DIODE - D6SB80**	
D9A21	264P899010	DIODE - BYV26E	
D9A22	264P045040	DIODE - 1S24710M	
D9A23	264P045040	DIODE - 1S24710M	
D9A24	264P045040	DIODE - 1S24710M	
D9A25	264P045040	DIODE - 1S24710M	
D9A26	264P045040	DIODE - 1S24710M	
D9A27	264P045040	DIODE - 1S24710M	
D9A30	264P566010	DIODE - FMP-G12S	
D9A31	264P045040	DIODE - 1S24710M	
D9A32	264P487070	DIODE - RD12FB1	
D9A33	264P628010	DIODE - FMB-G14L	
D9A50	264P045040	DIODE - 1S24710M	
D9A52	264P045040	DIODE - 1S24710M	
D9A53	264P045040	DIODE - 1S24710M	
D9A54	264P045040	DIODE - 1S24710M	
D9A55	264P045040	DIODE - 1S24710M	
D9A56	264P566010	DIODE - FMP-G12S	
D9A57	264P899010	DIODE - BYV26E	
D9A58	264P588010	DIODE - FML-G16S	
D9A64	264P045040	DIODE - 1S24710M	
D9A65	264P045040	DIODE - 1S24710M	
D9A66	264P045040	DIODE - 1S24710M	

Ref #	Part #	Part Name & Description	[#]
		COILS	
L1A06	409P923060	EMI-F-CHIP - BLM21B272S	
L1A07	409P923060	EMI-F-CHIP - BLM21B272S	
L1A13	409P923060	EMI-F-CHIP - BLM21B272S	
L1B06	409P923060	EMI-F-CHIP - BLM21B272S	
L1B07	409P923060	EMI-F-CHIP - BLM21B272S	
L1B13	409P923060	EMI-F-CHIP - BLM21B272S	
L2C01	325C146050	COIL-CHIP - 15MH-J	
L2C03	409P777080	EMI-F-CHIP - BLM21P221S	
L2C05	409P777080	EMI-F-CHIP - BLM21P221S	
L2C06	409P777080	EMI-F-CHIP - BLM21P221S	
L2C32	409P777080	EMI-F-CHIP - BLM21P221S	
L2D01	325C141030	COIL-CHIP - 10MH-K	
L2D02	325C146030	COIL-CHIP - 10MH-J	
L2D03	325C146030	COIL-CHIP - 10MH-J	
L2J01	409P777050	EMI-F-CHIP - BLM21B201S	
L2J02	409P777050	EMI-F-CHIP - BLM21B201S	
L2J03	409P777050	EMI-F-CHIP - BLM21B201S	
L2J04	409P777050	EMI-F-CHIP - BLM21B201S	
L2J05	409P777050	EMI-F-CHIP - BLM21B201S	
L2J07	409P777050	EMI-F-CHIP - BLM21B201S	
L2J66	409P777080	EMI-F-CHIP - BLM21P221S	
L2K42	409P777080	EMI-F-CHIP - BLM21P221S	
L2K46	325C147080	COIL-CHIP - 180MH-J	
L2K55	325C147080	COIL-CHIP - 180MH-J	
L2K65	409P777080	EMI-F-CHIP - BLM21P221S	
L2K77	409P777080	EMI-F-CHIP - BLM21P221S	
L2L42	409P777080	EMI-F-CHIP - BLM21P221S	
L2L46	325C147080	COIL-CHIP - 180MH-J	
L2L55	325C147080	COIL-CHIP - 180MH-J	
L2V06	409P923060	EMI-F-CHIP - BLM21B272S	
L2V72	409P923060	EMI-F-CHIP - BLM21B272S	
L2W01	409P923060	EMI-F-CHIP - BLM21B272S	
L2W02	409P923060	EMI-F-CHIP - BLM21B272S	
L2W03	409P923060	EMI-F-CHIP - BLM21B272S	
L2W04	409P923060	EMI-F-CHIP - BLM21B272S	
L2W05	409P923060	EMI-F-CHIP - BLM21B272S	
L2W76	409P923060	EMI-F-CHIP - BLM21B272S	
L2X01	409P923060	EMI-F-CHIP - BLM21B272S	
L2X04	409P923060	EMI-F-CHIP - BLM21B272S	
L2Y01	409P923060	EMI-F-CHIP - BLM21B272S	
L2Y03	409P923060	EMI-F-CHIP - BLM21B272S	
L2Y04	409P923060	EMI-F-CHIP - BLM21B272S	
L2Y06	409P923060	EMI-F-CHIP - BLM21B272S	
L2Y07	409P923060	EMI-F-CHIP - BLM21B272S	
L3A37	409P923060	EMI-F-CHIP - BLM21B272S	
L4A02	325C461030	COIL-PEAKING - 10MH-K	
L4A03	409P777080	EMI-F-CHIP - BLM21P221S	
L4B01	321C130010	COIL-RF - 2MH +/- 15%	
L4B02	321C130090	COIL-RF - 10MH-K	
L5A31	411P001010	LEAD-FERRITE	
L5A33	333P052030	COIL-HORIZ-LIN	
L5A34	321C130010	COIL-RF - 2MH +/- 15%	
L5A51	321C141030	COIL-RF - 10MH-K	
L5A52	321C141030	COIL-RF - 10MH-K	
L5A53	321C141010	COIL-RF - 6.8MH-M	
L5A54	411D009020	CORE-FERRITE	
L5A55	411D009020	CORE-FERRITE	
L5H41	325C110090	COIL-PEAKING - 4.7MH-K	
L6B00	325C461010	COIL-PEAKING - 6.8MH-K	

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description	[#]
L6B01	325C461040	COIL-PEAKING - 12MH-K	
L6B02	325C460080	COIL-PEAKING - 3.9MH-K	
L6B03	325C461030	COIL-PEAKING - 10MH-K	
L6G00	325C461010	COIL-PEAKING - 6.8MH-K	
L6G01	325C461040	COIL-PEAKING - 12MH-K	
L6G02	325C460080	COIL-PEAKING - 3.9MH-K	
L6G03	325C461030	COIL-PEAKING - 10MH-K	
L6M01	409P923060	EMI-F-CHIP - BLM21B272S	
L6M03	409P777080	EMI-F-CHIP - BLM21P221S	
L6M25	409P777080	EMI-F-CHIP - BLM21P221S	
L6P03	409P923060	EMI-F-CHIP - BLM21B272S	
L6P25	409P923060	EMI-F-CHIP - BLM21B272S	
L6R00	325C461010	COIL-PEAKING - 6.8MH-K	
L6R01	325C461040	COIL-PEAKING - 12MH-K	
L6R02	325C460080	COIL-PEAKING - 3.9MH-K	
L6R03	325C461030	COIL-PEAKING - 10MH-K	
L6R04	321C141010	COIL-RF - 6.8MH-M	
L7B28	409P923060	EMI-F-CHIP - BLM21B272S	
L7B41	409P923060	EMI-F-CHIP - BLM21B272S	
L7C02	409P923060	EMI-F-CHIP - BLM21B272S	
L7C03	409P777050	EMI-F-CHIP - BLM21B201S	
L7C04	409P777050	EMI-F-CHIP - BLM21B201S	
L7C05	409P777050	EMI-F-CHIP - BLM21B201S	
L7C06	409P923060	EMI-F-CHIP - BLM21B272S	
L7C07	409P777050	EMI-F-CHIP - BLM21B201S	
L7C08	409P923060	EMI-F-CHIP - BLM21B272S	
L7C09	409P923060	EMI-F-CHIP - BLM21B272S	
L7C10	409P923060	EMI-F-CHIP - BLM21B272S	
L7C11	409P923060	EMI-F-CHIP - BLM21B272S	
L7C12	325C241030	COIL-CHIP - 10MH-K	1-8
L7D00	325C241030	COIL-CHIP - 10MH-K	
L7D01	325C241030	COIL-CHIP - 10MH-K	
L7D11	325C242010	COIL-CHIP - 47MH-K	
L7D12	409P777020	EMI-F-CHIP - BLM21A05	
L7D13	325C241030	COIL-CHIP - 10MH-K	
L7D14	325C241030	COIL-CHIP - 10MH-K	
L7D15	325C241030	COIL-CHIP - 10MH-K	
L7E00	325C241030	COIL-CHIP - 10MH-K	
L7E01	325C241030	COIL-CHIP - 10MH-K	
L7E11	325C242010	COIL-CHIP - 47MH-K	
L7E12	409P777020	EMI-F-CHIP - BLM21A05	
L7E13	325C241030	COIL-CHIP - 10MH-K	
L7E14	325C241030	COIL-CHIP - 10MH-K	
L7E15	325C241030	COIL-CHIP - 10MH-K	
L7G00	325C242050	COIL-CHIP - 100MH-K	
L7G10	325C242010	COIL-CHIP - 47MH-K	
L7G11	325C241030	COIL-CHIP - 10MH-K	
L7G12	325C241030	COIL-CHIP - 10MH-K	
L7H00	325C241030	COIL-CHIP - 10MH-K	
L7H10	325C241030	COIL-CHIP - 10MH-K	
L7H11	409P777080	EMI-F-CHIP - BLM21P221S	
L7H12	325C241030	COIL-CHIP - 10MH-K	
L7H13	325C241030	COIL-CHIP - 10MH-K	
L7H14	325C241030	COIL-CHIP - 10MH-K	
L7H15	325C241030	COIL-CHIP - 10MH-K	
L7H16	325C241030	COIL-CHIP - 10MH-K	
L7H17	325C241030	COIL-CHIP - 10MH-K	
L7H18	325C241030	COIL-CHIP - 10MH-K	
L7H19	409P777080	EMI-F-CHIP - BLM21P221S	
L7H20	325C241030	COIL-CHIP - 10MH-K	
L7H30	325C241030	COIL-CHIP - 10MH-K	
L7H31	325C241030	COIL-CHIP - 10MH-K	
L7H32	409P777080	EMI-F-CHIP - BLM21P221S	
L7H38	325C241030	COIL-CHIP - 10MH-K	
L7H40	325C241030	COIL-CHIP - 10MH-K	
L7H41	409P777080	EMI-F-CHIP - BLM21P221S	
L7H42	409P777080	EMI-F-CHIP - BLM21P221S	
L7H50	409P777080	EMI-F-CHIP - BLM21P221S	
L7H60	325C241030	COIL-CHIP - 10MH-K	
L7H70	325C241030	COIL-CHIP - 10MH-K	
L7H80	325C241030	COIL-CHIP - 10MH-K	
L7K01	325C121030	COIL-PEAKING - 10MH-K	
L8A00	409P777080	EMI-F-CHIP - BLM21P221S	
L8A01	409P777080	EMI-F-CHIP - BLM21P221S	
L8A02	409P777080	EMI-F-CHIP - BLM21P221S	
L8A03	409P777080	EMI-F-CHIP - BLM21P221S	
L8A04	325C461030	COIL-PEAKING - 10MH-K	
L8C01	321C142030	COIL-RF - 68MH-K	
L8C02	321C142030	COIL-RF - 68MH-K	
L8C03	321C142030	COIL-RF - 68MH-K	
L8C04	321C142030	COIL-RF - 68MH-K	
L8D02	409P777080	EMI-F-CHIP - BLM21P221S	
L8D03	409P777080	EMI-F-CHIP - BLM21P221S	
L8D04	409P777080	EMI-F-CHIP - BLM21P221S	
L8M01	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8M100	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8M45	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8M80	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8MF47	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8N103	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8N122	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8N14	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8N153	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8N155	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8N30	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8N31	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8N32	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8N40	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8N43	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8N44	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8N51	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8S01	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8S132	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8S176	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8S48	409P777050	EMI-F-CHIP - BLM21B201S	23567
L8X01	409P777050	EMI-F-CHIP - BLM21B201S	23567
L9A02	**351P209010**	**LINE FILTER - SU16VD-40010**	
L9A20	411D009020	CORE-FERRITE	
L9A21	411D009020	CORE-FERRITE	
L9A22	321C141070	COIL-RF - 22MH-K	
L9A23	321C141070	COIL-RF - 22MH-K	
L9A24	321C141070	COIL-RF - 22MH-K	
L9A50	411D009020	CORE-FERRITE	
L9A51	411D009020	CORE-FERRITE	
L9A52	411D009020	CORE-FERRITE	
L9A53	321C141010	COIL-RF - 6.8MH-M	
L9A54	411D009020	CORE-FERRITE	
L9A55	321C142030	COIL-RF - 68MH-K	
L9A56	411D009020	CORE-FERRITE	
L9A57	321C141070	COIL-RF - 22MH-K	

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description	[#]
L9A62	321C141010	COIL-RF - 6.8MH-M	
L9A63	321C141010	COIL-RF - 6.8MH-M	
L9A64	321C130090	COIL-RF - 10MH-K	
L9A65	321C141070	COIL-RF - 22MH-K	
L9A66	321C141070	COIL-RF - 22MH-K	
L9A67	321C130090	COIL-RF - 10MH-K	
L9D00	**351P203010**	**LINE-FILTER - SS35V-45022**	
L9D01	**351P203010**	**LINE-FILTER - SS35V-45022**	
LC7D02	409P875090	EMI-F-CHIP - ELKE103FA	
LC7D05	409P875090	EMI-F-CHIP - ELKE103FA	
LC7D10	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7D11	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7D12	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7D13	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7D14	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7E10	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7E11	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7E12	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7E13	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7E14	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G01	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G02	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G03	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G04	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G05	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G06	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G07	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G08	409P875090	EMI-F-CHIP - ELKE103FA	
LC7G09	409P875090	EMI-F-CHIP - ELKE103FA	
LC7G10	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G11	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G12	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G13	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G14	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G15	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7J03	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7J04	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7J05	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7J10	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7J13	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7J14	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7J15	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8A21	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8A22	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8A23	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8A25	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8M05	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	23567
LC8M06	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	23567
LC8M11	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	23567
LC8M12	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	23567
LC8M14	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	23567
LC8M15	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	23567
LC8M16	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	23567
LC8M18	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	23567
LC8M20	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	23567
LC8M22	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	23567
LF7D00	409P901010	LP-FILTER - 14MHZ SMD	
LF7D01	409P901010	LP-FILTER - 14MHZ SMD	
LF7D02	409P901010	LP-FILTER - 14MHZ SMD	
LF7E00	409P901010	LP-FILTER - 14MHZ SMD	
LF7E01	409P901010	LP-FILTER - 14MHZ SMD	
LF7E02	409P901010	LP-FILTER - 14MHZ SMD	
LF7G00	409P901010	LP-FILTER - 14MHZ SMD	
LF7G01	409P901010	LP-FILTER - 14MHZ SMD	
LF7G02	409P901010	LP-FILTER - 14MHZ SMD	

TRANSFORMERS

T5A31	**349P216010**	**TRANS-HORIZ**
T5A32	**336P040010**	**TRANS-HORIZ-DRIVE**
T5A51	**334P278010**	**TRANS-FLYBACK**
T9A20	**350P766010**	**TRANS-POWER**
T9A50	**350P765010**	**TRANS-POWER**

VARIABLE RESISTORS

	129P059050	VR-FOCUS - MHF116-50W
RV9D00	**265P100010**	**VARISTOR - ERZV10D271**

RESISTORS

R-M-CHIP Type Resistors 1/10W (Listed by Value)

Value	Part No.	Value	Part No.
0 OHM	103P409050	2.7K-F	103P473050
10-J	103P400010	2.7K-J	103P403000
22-J	103P400050	3.3K-F	103P473070
33-J	103P400070	3.3K-J	103P403010
39-J	103P400080	3.9K-F	103P473090
47-J	103P400090	3.9K-J	103P403020
56-J	103P401000	4.3K-F	103P474000
75-J	103P409090	4.7K-F	103P474010
100-J	103P401030	4.7K-J	103P403030
120-J	103P401040	5.1K-F	103P474020
130-F	103P470040	5.6K-J	103P403040
150-J	103P401050	6.2K-F	103P474040
160-F	103P470060	6.8K-F	103P474050
180-F	103P470070	6.8K-J	103P403050
180-J	103P401060	7.5K-F	103P474060
200-F	103P470080	8.2K-F	103P474070
220-F	103P470090	8.2K-J	103P403060
220-J	103P401070	10K-F	103P474090
240-F	103P471000	10K-J	103P403070
270-J	103P401080	12K-J	103P403080
300-F	103P471020	13K-F	103P475020
330-F	103P471030	15K-F	103P475030
330-J	103P401090	15K-J	103P403090
390-J	103P402000	18K-J	103P404000
430-F	103P471060	22K-F	103P475070
470-J	103P402010	22K-J	103P404010
510-F	103P471080	27K-F	103P475090
560-F	103P471090	27K-J	103P404020

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description		[#]
	560-J	103P402020	33K-F	103P476010
	620-F	103P472000	33K-J	103P404030
	680-F	103P472010	36K-F	103P476020
	680-J	103P402030	47K-F	103P476050
	820-F	103P472030	47K-J	103P404050
	820-J	103P402040	56K-J	103P404060
	1K-F	103P472050	68K-J	103P404070
	1K-J	103P402050	82K-J	103P404080
	1.2K-F	103P472070	100K-F	103P477030
	1.2K-J	103P402060	100K-J	103P404090
	1.3K-F	103P472080	120K-J	103P405000
	1.5K-F	103P472090	150K-J	103P405010
	1.5K-J	103P402070	270K-J	103P405040
	1.6K-F	103P473000	330K-J	103P405050
	1.8K-F	103P473010	390K-J	103P405060
	1.8K-J	103P402080	470K-J	103P405070
	2K-F	103P473020	560K-J	103P405080
	2.2K-F	103P473030	680K-J	103P405090
	2.2K-J	103P402090	3.3M-J	103P406070
	2.4K-F	103P473040		

Conventional Resistors (By Ref #)

Ref	Part No.	Description	[#]
R2W17	103C171040	R-METAL - 1W 120-J	
R2W25	103C171040	R-METAL - 1W 120-J	
R2W63	103C171040	R-METAL - 1W 120-J	
R3E05	103P712050	R-CARBON - 1/4W 1K-J	
R3E06	103P714010	R-CARBON - 1/4W 22K-J	
R4B02	103P463060	R-METAL - 1/4W 3K-F	8
R4B10	103C188050	R-METAL - 2W 2.7-J	
R4B12	103C188040	R-METAL - 2W 2.2-J	
R4B17	103P712010	R-CARBON - 1/4W 470-J	
R4B22	103P712050	R-CARBON - 1/4W 1K-J	12458
R4B24	103P712050	R-CARBON - 1/4W 1K-J	
R4B25	103P712050	R-CARBON - 1/4W 1K-J	
R4B27	103P714080	R-CARBON - 1/4W 82K-J	
R4B28	103P464040	R-METAL - 1/4W 2.4K-F	1234567
R4B28	103P464060	R-METAL - 1/4W 7.5K-F	8
R4B28	103P714010	R-CARBON - 1/4W 22K-J	12458
R5A01	103P712050	R-CARBON - 1/4W 1K-J	
R5A07	103P714080	R-CARBON - 1/4W 82K-J	
R5A08	103C194010	R-METAL - 3W 22K-J	
R5A12	103P712050	R-CARBON - 1/4W 1K-J	
R5A15	103P712050	R-CARBON - 1/4W 1K-J	
R5A17	103P712050	R-CARBON - 1/4W 1K-J	
R5A22	103P714010	R-CARBON - 1/4W 22K-J	
R5A25	103P712010	R-CARBON - 1/4W 470-J	
R5A29	103P714010	R-CARBON - 1/4W 22K-J	
R5A30	103C181060	R-METAL - 2W 180-J	
R5A36	103C393020	R-METAL-P - 3W 3.9K-J	
R5A37	103C393010	R-METAL-P - 3W 3.3K-J	
R5A38	103C397070	R-METAL-P - 3W 0.56-K	
R5A39	103C170050	R-METAL - 1W 22-J	
R5A43	103P714010	R-CARBON - 1/4W 22K-J	
R5A45	103C393080	R-METAL-P - 3W 12K-J	
R5A46	103C391050	R-METAL-P - 3W 150-J	
R5A51	**102P107000**	**R-WIRE - 2W 0.15-K**	
R5A52	**103P712010**	**R-CARBON - 1/4W 470-J**	
R5A53	**103P711000**	**R-CARBON - 1/4W 56-J**	
R5A54	103C190090	R-METAL - 3W 47-J	

Ref #	Part #	Part Name & Description	[#]
R5A55	**103P712050**	**R-CARBON - 1/4W 1K-J**	
R5A56	**103P715060**	**R-CARBON - 1/4W 390K-J**	
R5A59	**103P461030**	**R-METAL - 1/4W 330-F**	
R5A60	**103P463010**	**R-METAL - 1/4W 1.8K-F**	
R5A61	**103P713060**	**R-CARBON - 1/4W 8.2K-J**	
R5A65	**103P141030**	**R-CARBON - 1/2W 100-J**	
R5A68	**103P463040**	**R-METAL - 1/4W 2.4K-F**	**7**
R5A68	**103P463080**	**R-METAL - 1/4W 3.6K-F**	**1234568**
R5A69	**103P460090**	**R-METAL - 1/4W 220-F**	
R5A70	**103P463040**	**R-METAL - 1/4W 2.4K-F**	**7**
R5A73	**103P714080**	**R-CARBON - 1/4W 82K-J**	
R5A78	**103P714010**	**R-CARBON - 1/4W 22K-J**	
R5A82	**103P370090**	**R-FUSE - 1/4W 47-J**	
R5A83	**103P464070**	**R-METAL - 1/4W 8.2K-F**	
R5A84	**103P464070**	**R-METAL - 1/4W 8.2K-F**	
R5A88	103P464000	R-METAL - 1/4W 4.3K-F	
R5A89	103P463050	R-METAL - 1/4W 2.7K-F	
R5A98	103C197090	R-METAL - 3W 0.82-J	1-6
R5A98	103C198010	R-METAL - 3W 1.2-J	7
R5H02	103P758000	R-FUSE - 1/4W 1-J	
R5H47	103C172010	R-METAL - 1W 470-J	
R5H59	103C191070	R-METAL - 3W 220-J	
R5H60	103C178080	R-METAL - 1W 4.7-J	
R5K09	103P762020	R-FUSE - 1/2W 560-J	
R5K12	**103P760060**	**R-FUSE - 1/2W 27-J**	
R5K19	103P464000	R-METAL - 1/4W 4.3K-F	
R5K34	**103P760060**	**R-FUSE - 1/2W 27-J**	
R5K46	103P712010	R-CARBON - 1/4W 470-J	
R5K50	**103P762050**	**R-FUSE - 1/2W 1K-J**	
R6B00	103C392090	R-METAL-P - 3W 2.2K-J	
R6B01	103C392090	R-METAL-P - 3W 2.2K-J	
R6B02	103C392090	R-METAL-P - 3W 2.2K-J	
R6B03	103C392090	R-METAL-P - 3W 2.2K-J	
R6B13	**103P761070**	**R-FUSE - 1/2W 220-J**	
R6G00	103C392090	R-METAL-P - 3W 2.2K-J	
R6G01	103C392090	R-METAL-P - 3W 2.2K-J	
R6G02	103C392090	R-METAL-P - 3W 2.2K-J	
R6G03	103C392090	R-METAL-P - 3W 2.2K-J	
R6G13	**103P761070**	**R-FUSE - 1/2W 220-J**	
R6R00	103C392090	R-METAL-P - 3W 2.2K-J	
R6R01	103C392090	R-METAL-P - 3W 2.2K-J	
R6R02	103C392090	R-METAL-P - 3W 2.2K-J	
R6R03	103C392090	R-METAL-P - 3W 2.2K-J	
R6R13	**103P761070**	**R-FUSE - 1/2W 220-J**	
R7C55	103C187060	R-METAL - 2W 0.47-J	23567
R7K01	103P712050	R-CARBON - 1/4W 1K-J	
R7K11	103P712050	R-CARBON - 1/4W 1K-J	235678
R7K14	103P715040	R-CARBON - 1/4W 270K-J	235678
R7K22	103P715030	R-CARBON - 1/4W 220K-J	23567
R7K26	103P715030	R-CARBON - 1/4W 220K-J	23567
R7K31	103P715030	R-CARBON - 1/4W 220K-J	23567
R7L01	103P462090	R-METAL - 1/4W 1.5K-F	235678
R7L04	103P464030	R-METAL - 1/4W 5.6K-F	235678
R7L07	103P462090	R-METAL - 1/4W 1.5K-F	235678
R7L10	103P464030	R-METAL - 1/4W 5.6K-F	235678
R7L21	103P712050	R-CARBON - 1/4W 1K-J	1&4
R7L22	103P715040	R-CARBON - 1/4W 270K-J	1&4
R7L26	103P462090	R-METAL - 1/4W 1.5K-F	1&4
R7L29	103P464030	R-METAL - 1/4W 5.6K-F	1&4
R7L32	103P466070	R-METAL - 1/4W 56K-F	1&4

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description	[#]
R8C07	103C391050	R-METAL-P - 3W 150-J	
R8C15	103C391050	R-METAL-P - 3W 150-J	
R8C23	103C391050	R-METAL-P - 3W 150-J	
R8C31	103C391050	R-METAL-P - 3W 150-J	
R8C39	103C391050	R-METAL-P - 3W 150-J	
R8C47	103C391050	R-METAL-P - 3W 150-J	
R8C60	103C191090	R-METAL - 3W 330-J	
R8C61	103C191090	R-METAL - 3W 330-J	
R9A02	102P080010	R-CEMENT-WIRE - 5W 2.2-K	
R9A03	**109C010010**	**R-COMPOSITION - 1/2W 1M-K**	
R9A05	**109C010010**	**R-COMPOSITION - 1/2W 1M-K**	
R9A06	**109C010010**	**R-COMPOSITION - 1/2W 1M-K**	
R9A21	103C394040	R-METAL-P - 3W 39K-J	
R9A22	103C183070	R-METAL - 2W 10K-J	
R9A27	103C187050	R-METAL - 2W 0.39-J	
R9A32	103P714010	R-CARBON - 1/4W 22K-J	
R9A39	103P714010	R-CARBON - 1/4W 22K-J	
R9A40	103P712010	R-CARBON - 1/4W 470-J	
R9A41	103P712050	R-CARBON - 1/4W 1K-J	
R9A42	103P464050	R-METAL - 1/4W 6.8K-F	
R9A43	103P466070	R-METAL - 1/4W 56K-F	
R9A44	103P464010	R-METAL - 1/4W 4.7K-F	
R9A51	103P715050	R-CARBON - 1/4W 330K-J	
R9A54	102P107000	R-WIRE - 2W 0.15-K	
R9A55	102P106090	R-WIRE - 2W 0.12-K	
R9A68	103C180050	R-METAL - 2W 22-J	
R9A69	103C180050	R-METAL - 2W 22-J	
R9A80	103C193060	R-METAL - 3W 8.2K-J	
R9A83	103P463090	R-METAL - 1/4W 3.9K-F	
R9C01	103C177020	R-METAL - IW 0.22-J	
R9C10	103C170020	R-METAL - 1W 12-J	
R9D00	**109D036020**	**R-COMPOSITION - 1/2W 4.7M-K**	

CAPACITORS AND TRIMMERS

C1A06	141P132010	C-CER-CHIP - B50V 0.01M-K	
C1A07	141P132010	C-CER-CHIP - B50V 0.01M-K	
C1A08	141P132010	C-CER-CHIP - B50V 0.01M-K	
C1A09	141P132010	C-CER-CHIP - B50V 0.01M-K	
C1A13	141P132010	C-CER-CHIP - B50V 0.01M-K	
C1A16	141P132010	C-CER-CHIP - B50V 0.01M-K	
C1B06	141P132010	C-CER-CHIP - B50V 0.01M-K	
C1B07	141P132010	C-CER-CHIP - B50V 0.01M-K	
C1B09	141P132010	C-CER-CHIP - B50V 0.01M-K	
C1B13	141P132010	C-CER-CHIP - B50V 0.01M-K	
C1B14	141P139010	C-CER-CHIP - B25V 0.068M-K	
C1B16	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2B11	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2B25	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C00	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C02	154P324000	C-CER-CHIP - SL50V 150P-J	
C2C03	154P324000	C-CER-CHIP - SL50V 150P-J	
C2C04	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C08	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C10	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C11	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C20	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C2C30	154P331090	C-CER-CHIP - CH50V 22P-J	
C2C31	154P331090	C-CER-CHIP - CH50V 22P-J	
C2C32	141P139030	C-CER-CHIP - B25V 0.1M-K	

Ref #	Part #	Part Name & Description	[#]
C2C45	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C46	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C50	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2C53	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C64	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C81	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C82	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C85	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C88	141P134070	C-CER-CHIP - B16V 1M-K	
C2C89	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C90	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C91	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C92	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C94	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C95	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2C96	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2D06	154P332070	C-CER-CHIP - CH50V 47P-J	
C2D07	154P333050	C-CER-CHIP - CH50V 100P-J	
C2D09	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2D10	154P333050	C-CER-CHIP - CH50V 100P-J	
C2D11	154P333050	C-CER-CHIP - CH50V 100P-J	
C2D12	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2D13	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2D14	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C2D15	154P333050	C-CER-CHIP - CH50V 100P-J	
C2D16	154P332070	C-CER-CHIP - CH50V 47P-J	
C2D18	154P333050	C-CER-CHIP - CH50V 100P-J	
C2D24	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C2D25	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2J07	141P137080	C-CER-CHIP - B50V 0.047M-K	
C2K09	141P134070	C-CER-CHIP - B16V 1M-K	
C2K11	141P134070	C-CER-CHIP - B16V 1M-K	
C2K16	141P134070	C-CER-CHIP - B16V 1M-K	
C2K18	141P134070	C-CER-CHIP - B16V 1M-K	
C2K19	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2K23	141P134070	C-CER-CHIP - B16V 1M-K	
C2K25	141P134070	C-CER-CHIP - B16V 1M-K	
C2K42	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2K46	154P331010	C-CER-CHIP - CH50V 10P-C	
C2K47	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2K55	154P331010	C-CER-CHIP - CH50V 10P-C	
C2K59	141P134070	C-CER-CHIP - B16V 1M-K	
C2K61	141P134070	C-CER-CHIP - B16V 1M-K	
C2K62	141P134070	C-CER-CHIP - B16V 1M-K	
C2K64	141P134070	C-CER-CHIP - B16V 1M-K	
C2K65	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2K67	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2K68	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2K70	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2K71	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2K73	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2K74	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2K76	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2K78	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2K79	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2K82	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2K83	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2K85	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2K86	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2L02	141P134070	C-CER-CHIP - B16V 1M-K	

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description	[#]
C2L04	141P134070	C-CER-CHIP - B16V 1M-K	
C2L05	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2L09	141P134070	C-CER-CHIP - B16V 1M-K	23567
C2L11	141P134070	C-CER-CHIP - B16V 1M-K	23567
C2L12	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C2L16	141P134070	C-CER-CHIP - B16V 1M-K	
C2L18	141P134070	C-CER-CHIP - B16V 1M-K	
C2L19	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2L23	141P134070	C-CER-CHIP - B16V 1M-K	
C2L25	141P134070	C-CER-CHIP - B16V 1M-K	
C2L26	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2L29	141P134070	C-CER-CHIP - B16V 1M-K	
C2L31	141P134070	C-CER-CHIP - B16V 1M-K	
C2L32	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2L42	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2L46	154P331010	C-CER-CHIP - CH50V 10P-C	
C2L52	141P134070	C-CER-CHIP - B16V 1M-K	
C2L54	141P134070	C-CER-CHIP - B16V 1M-K	
C2L55	154P331010	C-CER-CHIP - CH50V 10P-C	
C2L58	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2L59	141P134070	C-CER-CHIP - B16V 1M-K	
C2L62	141P134070	C-CER-CHIP - B16V 1M-K	23567
C2L64	141P134070	C-CER-CHIP - B16V 1M-K	23567
C2V01	141P134070	C-CER-CHIP - B16V 1M-K	
C2V02	141P134070	C-CER-CHIP - B16V 1M-K	
C2V03	141P134070	C-CER-CHIP - B16V 1M-K	
C2V04	141P134070	C-CER-CHIP - B16V 1M-K	
C2V05	141P134070	C-CER-CHIP - B16V 1M-K	
C2V06	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2V08	141P134070	C-CER-CHIP - B16V 1M-K	
C2V09	141P134070	C-CER-CHIP - B16V 1M-K	
C2V10	141P134070	C-CER-CHIP - B16V 1M-K	
C2V11	141P134070	C-CER-CHIP - B16V 1M-K	
C2V12	141P134070	C-CER-CHIP - B16V 1M-K	
C2V13	141P134070	C-CER-CHIP - B16V 1M-K	23567
C2V14	141P134070	C-CER-CHIP - B16V 1M-K	23567
C2V15	141P134070	C-CER-CHIP - B16V 1M-K	23567
C2V16	141P134070	C-CER-CHIP - B16V 1M-K	23567
C2V17	141P134070	C-CER-CHIP - B16V 1M-K	23567
C2V18	141P134070	C-CER-CHIP - B16V 1M-K	
C2V19	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2V20	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2V21	141P134070	C-CER-CHIP - B16V 1M-K	
C2V22	141P134070	C-CER-CHIP - B16V 1M-K	
C2V23	141P134070	C-CER-CHIP - B16V 1M-K	
C2V24	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2V36	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2V38	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2V40	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2V41	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2V42	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2V46	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C2V47	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C2V48	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C2V50	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2V51	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2V52	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2V58	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2V62	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2V63	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2V64	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2V67	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2V68	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2V69	141P139090	C-CER-CHIP - B16V 0.47M-K	
C2V70	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C2V73	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2V74	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2V75	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2W03	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2W06	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C2W07	154P324040	C-CER-CHIP - SL50V 220P-J	
C2W08	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C2W10	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C2W11	154P324040	C-CER-CHIP - SL50V 220P-J	
C2W12	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C2W13	141P135080	C-CER-CHIP - F50V 0.1M-Z	
C2W15	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C2W16	154P324040	C-CER-CHIP - SL50V 220P-J	
C2W17	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C2W41	141P133060	C-CER-CHIP - F50V 2200P-Z	
C2W59	141P134070	C-CER-CHIP - B16V 1M-K	
C2W75	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2W77	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2W78	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2W79	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2X01	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2X04	141P138020	C-CER-CHIP - B50V 0.1M-K	
C2X05	141P134070	C-CER-CHIP - B16V 1M-K	
C2X06	141P134070	C-CER-CHIP - B16V 1M-K	
C2X07	141P134070	C-CER-CHIP - B16V 1M-K	
C2X08	154P323060	C-CER-CHIP - SL50V 100P-J	
C2X09	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2X11	141P138020	C-CER-CHIP - B50V 0.1M-K	
C2X12	141P134070	C-CER-CHIP - B16V 1M-K	
C2X13	141P134070	C-CER-CHIP - B16V 1M-K	
C2X14	141P134070	C-CER-CHIP - B16V 1M-K	
C2X15	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2X16	154P323060	C-CER-CHIP - SL50V 100P-J	
C2X26	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2X27	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2X28	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2X32	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2X40	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2X41	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2X42	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2X44	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2X46	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2X48	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2X49	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2X51	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2X60	141P132010	C-CER-CHIP - B50V 0.01M-K	
C2X61	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y02	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y03	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y04	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y06	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y08	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y10	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y11	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y13	141P139030	C-CER-CHIP - B25V 0.1M-K	

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description	[#]
C2Y14	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y16	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y17	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y18	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y19	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y20	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y21	181P124040	C-ELEC-NP - 50V 10M-M	
C2Y22	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y24	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y25	181P124040	C-ELEC-NP - 50V 10M-M	
C2Y26	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y27	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y28	181P124040	C-ELEC-NP - 50V 10M-M	
C2Y29	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y30	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y31	181P124040	C-ELEC-NP - 50V 10M-M	
C2Y32	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y34	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y35	181P124040	C-ELEC-NP - 50V 10M-M	
C2Y36	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y37	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y38	181P124040	C-ELEC-NP - 50V 10M-M	
C2Y39	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y40	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y42	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y43	141P139030	C-CER-CHIP - B25V 0.1M-K	
C2Y45	141P139030	C-CER-CHIP - B25V 0.1M-K	
C3A01	154P329030	C-CER-CHIP - SL50V 5600P-J	
C3A03	141P137060	C-CER-CHIP - B50V 0.033M-K	
C3A07	141P139050	C-CER-CHIP - B25V 0.15M-K	
C3A08	141P134070	C-CER-CHIP - B16V 1M-K	
C3A09	141P132000	C-CER-CHIP - B50V 8200P-K	
C3A12	141P134070	C-CER-CHIP - B16V 1M-K	
C3A13	141P134070	C-CER-CHIP - B16V 1M-K	
C3A15	181P124020	C-ELEC-NP - 50V 4.7M-M	
C3A18	141P134070	C-CER-CHIP - B16V 1M-K	
C3A19	141P134070	C-CER-CHIP - B16V 1M-K	
C3A21	141P137080	C-CER-CHIP - B50V 0.047M-K	
C3A23	141P139030	C-CER-CHIP - B25V 0.1M-K	
C3A28	141P139030	C-CER-CHIP - B25V 0.1M-K	
C3A31	141P139090	C-CER-CHIP - B16V 0.47M-K	
C3A33	141P139070	C-CER-CHIP - B16V 0.22M-K	
C3A38	181P124020	C-ELEC-NP - 50V 4.7M-M	
C3A40	141P134070	C-CER-CHIP - B16V 1M-K	
C3A41	141P134070	C-CER-CHIP - B16V 1M-K	
C3A42	141P132030	C-CER-CHIP - B50V 0.015M-K	
C3A43	141P132030	C-CER-CHIP - B50V 0.015M-K	
C3A44	141P132000	C-CER-CHIP - B50V 8200P-K	
C3A45	141P134070	C-CER-CHIP - B16V 1M-K	
C3A46	141P139050	C-CER-CHIP - B25V 0.15M-K	
C3A50	141P137060	C-CER-CHIP - B50V 0.033M-K	
C3A52	154P329030	C-CER-CHIP - SL50V 5600P-J	
C3E09	172P262050	C-M-POLYESTER - 50V 0.1M-J	
C3E11	172P262050	C-M-POLYESTER - 50V 0.1M-J	
C3E12	172P262050	C-M-POLYESTER - 50V 0.1M-J	
C3E14	172P262050	C-M-POLYESTER - 50V 0.1M-J	
C4A01	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C4A02	141P134070	C-CER-CHIP - B16V 1M-K	
C4A04	172P262050	C-M-POLYESTER - 50V 0.1M-J	
C4A05	172P262050	C-M-POLYESTER - 50V 0.1M-J	
C4A06	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C4A07	154P337040	C-CER-CHIP - CH50V 2700P-J	
C4A08	154P334070	C-CER-CHIP - CH50V 330P-J	
C4A11	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C4A23	141P139030	C-CER-CHIP - B25V 0.1M-K	
C4A30	154P337040	C-CER-CHIP - CH50V 2700P-J	
C4A31	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C4A32	141P135080	C-CER-CHIP - F50V 0.1M-Z	
C4A33	154P335010	C-CER-CHIP - CH50V 470P-J	
C4A36	154P325020	C-CER-CHIP - SL50V 470P-J	
C4A38	141P139030	C-CER-CHIP - B25V 0.1M-K	
C4B02	181P358000	C-ELEC - 35V 1000M-M	
C5A03	142P020050	C-CER - B50V 470P-K	
C5A21	172P262050	C-M-POLYESTER - 50V 0.1M-J	
C5A31	172P580050	C-M-PLA-PP - 1800V 1500P-J	
C5A32	172P581030	C-M-PLA-PP - 1800V 3300P-J	
C5A33	172P581030	C-M-PLA-PP - 1800V 3300P-J	
C5A34	154P262000	C-CER - R2KV 220P-K	
C5A35	142P011070	C-CER - B500V 2200P-K	
C5A37	172P416010	C-M-PLA-PP - 200V 0.33M-J	1234567
C5A37	172P416030	C-M-PLA-PP - 200V 0.39M-J	8
C5A38	172P416010	C-M-PLA-PP - 200V 0.33M-J	
C5A39	142P011000	C-CER - B500V 560P-K	
C5A40	142P011000	C-CER - B500V 560P-K	
C5A51	**154P260010**	**C-CER - R1KV 220P-K**	
C5A52	**172P460010**	**C-M-PLA-PP - 2000V 1000P-J**	
C5A53	**172P460030**	**C-M-PLA-PP - 2000V 1200P-J**	
C5A54	185D120010	C-ELEC - H160V 330M-M 105C	
C5A55	172P088060	C-PLAST-PP - 630V 6800P-J	
C5A60	**172P262050**	**C-M-POLYESTER - 50V 0.1M-J**	
C5A64	**181P352010**	**C-ELEC - 16V 22M-M**	
C5A70	**172P384030**	**C-M-POLY - 100V 3.3M-K**	
C5A71	**172P262060**	**C-M-POLYESTER - 50V 0.12M-J**	
C5H16	172P186030	C-PLAST-PP - 200V 0.01M-K	
C5H22	155P112090	C-CER - 500V 56P-J	
C5H24	181P192060	C-ELEC - 200V 22M-M	
C5K00	172P582090	C-M-PLA-PP - 1800V 0.015M-J	
C5K01	172P582090	C-M-PLA-PP - 1800V 0.015M-J	
C5K15	181P195040	C-ELEC - 350V 4.7M-M/Q	
C5K17	181P195040	C-ELEC - 350V 4.7M-M/Q	
C6B02	181P195040	C-ELEC - 350V 4.7M-M/Q	
C6B11	154P264000	C-CER - R3.15KV 150P-K	
C6G02	181P195040	C-ELEC - 350V 4.7M-M/Q	
C6G11	154P264000	C-CER - R3.15KV 150P-K	
C6M02	141P132010	C-CER-CHIP - B50V 0.01M-K	
C6M04	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C6M23	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C6M26	154P331050	C-CER-CHIP - CH50V 15P-J	
C6M29	154P335010	C-CER-CHIP - CH50V 470P-J	
C6M39	141P131070	C-CER-CHIP - B50V 4700P-K	
C6M41	154P333070	C-CER-CHIP - CH50V 120P-J	
C6M42	141P132010	C-CER-CHIP - B50V 0.01M-K	
C6M44	154P325040	C-CER-CHIP - SL50V 560P-J	
C6M45	141P139030	C-CER-CHIP - B25V 0.1M-K	
C6M46	141P132010	C-CER-CHIP - B50V 0.01M-K	
C6M47	141P139030	C-CER-CHIP - B25V 0.1M-K	
C6M49	141P132010	C-CER-CHIP - B50V 0.01M-K	
C6P02	141P132010	C-CER-CHIP - B50V 0.01M-K	
C6P04	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C6P23	141P133080	C-CER-CHIP - F50V 0.01M-Z	

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description	[#]
C6P26	154P331050	C-CER-CHIP - CH50V 15P-J	
C6P29	154P335010	C-CER-CHIP - CH50V 470P-J	
C6P39	141P131070	C-CER-CHIP - B50V 4700P-K	
C6P41	154P333070	C-CER-CHIP - CH50V 120P-J	
C6P44	154P325040	C-CER-CHIP - SL50V 560P-J	
C6P45	141P139030	C-CER-CHIP - B25V 0.1M-K	
C6P47	141P139030	C-CER-CHIP - B25V 0.1M-K	
C6R02	181P195040	C-ELEC - 350V 4.7M-M/Q	
C6R11	154P264000	C-CER - R3.15KV 150P-K	
C7A03	141P132010	C-CER-CHIP - B50V 0.01M-K	
C7A05	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7A07	141P132010	C-CER-CHIP - B50V 0.01M-K	
C7A13	141P132010	C-CER-CHIP - B50V 0.01M-K	
C7A14	141P132010	C-CER-CHIP - B50V 0.01M-K	
C7A20	154P329010	C-CER-CHIP - SL50V 3900P-J	
C7A28	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7A31	141P134070	C-CER-CHIP - B16V 1M-K	
C7A34	141P134070	C-CER-CHIP - B16V 1M-K	
C7A39	141P134070	C-CER-CHIP - B16V 1M-K	
C7A41	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7A42	141P132010	C-CER-CHIP - B50V 0.01M-K	
C7A53	141P132010	C-CER-CHIP - B50V 0.01M-K	
C7A59	141P132010	C-CER-CHIP - B50V 0.01M-K	
C7A64	141P132010	C-CER-CHIP - B50V 0.01M-K	
C7A65	141P132010	C-CER-CHIP - B50V 0.01M-K	
C7A66	141P132010	C-CER-CHIP - B50V 0.01M-K	
C7A67	141P132010	C-CER-CHIP - B50V 0.01M-K	
C7A72	141P132010	C-CER-CHIP - B50V 0.01M-K	
C7A75	154P331050	C-CER-CHIP - CH50V 15P-J	
C7A76	154P331050	C-CER-CHIP - CH50V 15P-J	
C7A77	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7A84	141P132010	C-CER-CHIP - B50V 0.01M-K	
C7B16	154P333070	C-CER-CHIP - CH50V 120P-J	
C7B17	154P333070	C-CER-CHIP - CH50V 120P-J	
C7B29	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7B30	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7B31	154P336090	C-CER-CHIP - CH50V 1000P-J	
C7B33	154P325040	C-CER-CHIP - SL50V 560P-J	
C7B34	141P132010	C-CER-CHIP - B50V 0.01M-K	
C7B39	141P132010	C-CER-CHIP - B50V 0.01M-K	
C7B42	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7B43	154P325040	C-CER-CHIP - SL50V 560P-J	
C7B44	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7B78	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7C01	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7C03	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7C04	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7C05	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7C06	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7C07	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7C10	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7C11	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7C13	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7C17	141P133080	C-CER-CHIP - F50V 0.01M-Z	23567
C7C25	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7C28	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7C30	181P350010	C-ELEC - 16V 4700M-M	
C7C31	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7C32	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7C33	141P139030	C-CER-CHIP - B25V 0.1M-K	

Ref #	Part #	Part Name & Description	[#]
C7D06	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7D07	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D09	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D10	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D11	181P522060	C-E-CHIP - 16V 47M-M 105C	
C7D16	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D17	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7D20	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7D21	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D30	154P332090	C-CER-CHIP - CH50V 56P-J	
C7D31	154P332090	C-CER-CHIP - CH50V 56P-J	
C7D32	154P332090	C-CER-CHIP - CH50V 56P-J	
C7D35	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7D44	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D45	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7D46	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D47	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D48	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D52	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D55	181P520010	C-E-CHIP - 6.3V 22M-M 105C	
C7D56	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D58	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D59	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D60	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7D61	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D62	181P520010	C-E-CHIP - 6.3V 22M-M 105C	
C7D63	181P522060	C-E-CHIP - 16V 47M-M 105C	
C7D64	181P526020	C-E-CHIP - 50V 2.2M-M 105C	
C7D65	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7D66	181P520010	C-E-CHIP - 6.3V 22M-M 105C	
C7D67	181P526020	C-E-CHIP - 50V 2.2M-M 105C	
C7D68	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7D69	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D70	181P526020	C-E-CHIP - 50V 2.2M-M 105C	
C7D71	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D72	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D73	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D74	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D75	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7D76	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7D77	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D78	141P135080	C-CER-CHIP - F50V 0.1M-Z	
C7D79	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7D80	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7D81	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7D82	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7D83	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7D84	141P135080	C-CER-CHIP - F50V 0.1M-Z	
C7D85	141P135080	C-CER-CHIP - F50V 0.1M-Z	
C7D86	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7D87	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7D88	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7D89	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7D90	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7D91	141P135080	C-CER-CHIP - F50V 0.1M-Z	
C7D92	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7D93	141P135080	C-CER-CHIP - F50V 0.1M-Z	
C7D94	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7D95	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7D96	141P139030	C-CER-CHIP - B25V 0.1M-K	

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description	[#]
C7D97	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7D98	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7D99	141P135080	C-CER-CHIP - F50V 0.1M-Z	
C7E06	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7E07	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E09	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E30	154P323060	C-CER-CHIP - SL50V 100P-J	
C7E31	154P323060	C-CER-CHIP - SL50V 100P-J	
C7E32	154P323060	C-CER-CHIP - SL50V 100P-J	
C7E35	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7E44	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E45	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7E46	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E47	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E48	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E52	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E55	181P520010	C-E-CHIP - 6.3V 22M-M 105C	
C7E56	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E58	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E59	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E60	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7E61	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E62	181P520010	C-E-CHIP - 6.3V 22M-M 105C	
C7E63	181P522060	C-E-CHIP - 16V 47M-M 105C	
C7E64	181P526020	C-E-CHIP - 50V 2.2M-M 105C	
C7E65	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7E66	181P520010	C-E-CHIP - 6.3V 22M-M 105C	
C7E67	181P526020	C-E-CHIP - 50V 2.2M-M 105C	
C7E68	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7E69	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E70	181P526020	C-E-CHIP - 50V 2.2M-M 105C	
C7E71	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E72	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E73	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E74	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E75	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7E76	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7E77	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E78	141P135080	C-CER-CHIP - F50V 0.1M-Z	
C7E79	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7E80	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7E81	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7E82	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7E83	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7E84	141P135080	C-CER-CHIP - F50V 0.1M-Z	
C7E85	141P135080	C-CER-CHIP - F50V 0.1M-Z	
C7E86	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7E87	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7E88	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7E89	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7E90	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7E91	141P135080	C-CER-CHIP - F50V 0.1M-Z	
C7E92	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7E93	141P135080	C-CER-CHIP - F50V 0.1M-Z	
C7E94	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7E95	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7E96	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7E97	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7E98	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7E99	141P135080	C-CER-CHIP - F50V 0.1M-Z	

Ref #	Part #	Part Name & Description	[#]
C7G00	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G01	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G02	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7G03	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G04	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7G05	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7G06	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G07	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7G08	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G11	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G12	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G21	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G22	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G23	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G24	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G30	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G31	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7G32	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G33	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G34	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7G35	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7G36	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G37	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7G38	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7G39	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7G44	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7G50	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G51	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7G52	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7G90	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7G91	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7H00	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H01	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7H02	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H03	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H04	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H10	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H11	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H20	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H21	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H22	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H24	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H25	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7H26	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H27	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7H28	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H29	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H30	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H31	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7H32	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H33	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H34	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H35	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H36	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H37	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H38	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7H39	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H40	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H41	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H42	181P520030	C-E-CHIP - 6.3V 47M-M 105C	

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description	[#]
C7H43	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H44	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7H45	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H46	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H47	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H48	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H49	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H50	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H51	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H59	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7H61	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H62	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7H63	141P132020	C-CER-CHIP - B50V 0.012M-K	
C7H64	141P132020	C-CER-CHIP - B50V 0.012M-K	
C7H70	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H71	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7H72	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7H73	181P526010	C-E-CHIP - 50V 1M-M 105C	
C7H74	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H75	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7H76	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7H77	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H80	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H81	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H82	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H83	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H84	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H85	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H86	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H87	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7H88	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H89	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H90	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7H91	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H92	141P139030	C-CER-CHIP - B25V 0.1M-K	
C7H93	181P526010	C-E-CHIP - 50V 1M-M 105C	
C7H94	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7H95	181P520040	C-E-CHIP - 6.3V 100M-M 105C	
C7H98	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7H99	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7J00	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7J01	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7J20	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7J21	141P132030	C-CER-CHIP - B50V 0.015M-K	
C7J30	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7J31	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7J40	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7J50	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7J51	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7J52	181P520030	C-E-CHIP - 6.3V 47M-M 105C	
C7J53	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7J54	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7J60	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C7K11	172P262050	C-M-POLYESTER - 50V 0.1M-J	235678
C7K25	172P262050	C-M-POLYESTER - 50V 0.1M-J	23567
C7K26	172P262050	C-M-POLYESTER - 50V 0.1M-J	23567
C7L22	172P262050	C-M-POLYESTER - 50V 0.1M-J	1&4
C8A07	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8A09	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8A10	141P133080	C-CER-CHIP - F50V 0.01M-Z	

Ref #	Part #	Part Name & Description	[#]
C8A11	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8A12	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8A13	154P323080	C-CER-CHIP - SL50V 120P-J	
C8A14	154P323080	C-CER-CHIP - SL50V 120P-J	
C8A16	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8A33	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8A37	141P135080	C-CER-CHIP - F50V 0.1M-Z	
C8A40	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8A42	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8A43	172P262050	C-M-POLYESTER - 50V 0.1M-J	
C8A45	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8A47	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8A49	154P325020	C-CER-CHIP - SL50V 470P-J	
C8A51	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8A52	154P334070	C-CER-CHIP - CH50V 330P-J	
C8A53	154P333050	C-CER-CHIP - CH50V 100P-J	
C8A54	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8C03	181P358000	C-ELEC - 35V 1000M-M	
C8C05	181P358000	C-ELEC - 35V 1000M-M	
C8C18	181P358000	C-ELEC - 35V 1000M-M	
C8C20	181P358000	C-ELEC - 35V 1000M-M	
C8C43	142P020080	C-CER - B50V 820P-K	
C8C44	142P020080	C-CER - B50V 820P-K	
C8C45	142P020080	C-CER - B50V 820P-K	
C8C46	142P020080	C-CER - B50V 820P-K	
C8C47	142P020080	C-CER - B50V 820P-K	
C8C48	142P020080	C-CER - B50V 820P-K	
C8D00	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D01	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D02	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D03	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8D04	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8D05	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D06	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D07	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8D08	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8D09	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D10	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D11	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8D12	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8D13	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D14	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D15	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8D16	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8D17	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D18	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D19	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8D20	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8D21	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D22	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D23	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8D24	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8D26	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D27	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D29	141P135020	C-CER-CHIP - F25V 0.47M-Z	
C8D31	141P139030	C-CER-CHIP - B25V 0.1M-K	
C8D33	141P139030	C-CER-CHIP - B25V 0.1M-K	
C8D35	154P335010	C-CER-CHIP - CH50V 470P-J	
C8D36	154P333030	C-CER-CHIP - CH50V 82P-J	
C8D37	154P332030	C-CER-CHIP - CH50V 33P-J	

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description	[#]
C8D38	154P335010	C-CER-CHIP - CH50V 470P-J	
C8D39	154P333030	C-CER-CHIP - CH50V 82P-J	
C8D40	154P332030	C-CER-CHIP - CH50V 33P-J	
C8D41	154P335010	C-CER-CHIP - CH50V 470P-J	
C8D42	154P333030	C-CER-CHIP - CH50V 82P-J	
C8D43	154P332030	C-CER-CHIP - CH50V 33P-J	
C8D44	154P335010	C-CER-CHIP - CH50V 470P-J	
C8D45	154P333030	C-CER-CHIP - CH50V 82P-J	
C8D46	154P332030	C-CER-CHIP - CH50V 33P-J	
C8D47	154P335010	C-CER-CHIP - CH50V 470P-J	
C8D48	154P333030	C-CER-CHIP - CH50V 82P-J	
C8D49	154P332030	C-CER-CHIP - CH50V 33P-J	
C8D50	154P335010	C-CER-CHIP - CH50V 470P-J	
C8D51	154P333030	C-CER-CHIP - CH50V 82P-J	
C8D52	154P332030	C-CER-CHIP - CH50V 33P-J	
C8D53	141P139090	C-CER-CHIP - B16V 0.47M-K	
C8D54	154P333050	C-CER-CHIP - CH50V 100P-J	
C8D55	154P331010	C-CER-CHIP - CH50V 10P-C	
C8D56	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C8M01	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8M1	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8M100	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8M101	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8M14	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8M16	141P130090	C-CER-CHIP - B50V 1000P-K	23567
C8M21	154P332070	C-CER-CHIP - CH50V 47P-J	23567
C8M22	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8M23	154P332070	C-CER-CHIP - CH50V 47P-J	23567
C8M24	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8M30	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8M36	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8M41	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8M44	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8M45	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8M51	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8M70	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8M80	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8M81	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8M89	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8M91	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8M93	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8M95	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8MF37	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8MF47	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8MG14	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8MR00	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8MR01	141P135000	C-CER-CHIP - F25V 0.22M-Z	23567
C8MR14	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N05	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N06	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N103	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N104	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8N107	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N122	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8N124	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N128	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N13	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8N130	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N14	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N151	181P520010	C-E-CHIP - 6.3V 22M-M 105C	23567
C8N152	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N153	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N154	181P506020	C-E-CHIP - 50V 2.2M-M	23567
C8N155	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8N156	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N157	154P331090	C-CER-CHIP - CH50V 22P-J	23567
C8N16	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N17	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N186	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N202	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N204	181P500010	C-E-CHIP - 6.3V 22M-M	23567
C8N205	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N208	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N23	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N26	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N28	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N30	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N31	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8N34	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8N35	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N37	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8N38	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N40	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N41	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8N43	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8N44	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N45	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8N46	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N47	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N48	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N51	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N52	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8N53	154P333050	C-CER-CHIP - CH50V 100P-J	23567
C8N54	181P506020	C-E-CHIP - 50V 2.2M-M	23567
C8N55	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N56	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8N57	181P500010	C-E-CHIP - 6.3V 22M-M	23567
C8N58	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N60	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N67	181P505000	C-E-CHIP - 35V 10M-M	23567
C8N68	181P505000	C-E-CHIP - 35V 10M-M	23567
C8N69	181P505000	C-E-CHIP - 35V 10M-M	23567
C8N78	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N79	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8N82	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8S01	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8S07	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S102	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S104	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S106	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S117	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S118	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S132	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S133	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8S146	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S158	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S159	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S170	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S176	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S177	181P500030	C-E-CHIP - 6.3V 47M-M	23567

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description	[#]
C8S20	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S21	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S23	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S29	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S32	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S44	141P132010	C-CER-CHIP - B50V 0.01M-K	23567
C8S48	181P500030	C-E-CHIP - 6.3V 47M-M	23567
C8S52	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S62	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S65	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S76	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S78	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8S88	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8SC20	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C8X01	141P139030	C-CER-CHIP - B25V 0.1M-K	23567
C9A05	**189P185070**	**C-CER - 250VAC 1000P-M**	
C9A06	**189P185070**	**C-CER - 250VAC 1000P-M**	
C9A07	**189P153040**	**C-M-POLY - 250VAC 0.1M-M**	
C9A08	**189P185090**	**C-CER - 250VAC 2200P-M**	
C9A09	**189P185090**	**C-CER - 250VAC 2200P-M**	
C9A10	**189P185090**	**C-CER - 250VAC 2200P-M**	
C9A11	**189P185090**	**C-CER - 250VAC 2200P-M**	
C9A12	185D122040	C-ELEC - H200V 820M-M 105C	
C9A13	**189P152070**	**C-M-POLY - 250VAC 0.01M-M**	
C9A14	**189P152070**	**C-M-POLY - 250VAC 0.01M-M**	
C9A20	189P152070	C-M-POLY - 250VAC 0.01M-M	
C9A24	142P020050	C-CER - B50V 470P-K	
C9A50	142P020050	C-CER - B50V 470P-K	
C9A53	185D122040	C-ELEC - H200V 820M-M 105C	
C9A54	154P260080	C-CER - R1KV 3300P-K	
C9A55	142P020070	C-CER - B50V 680P-K	
C9A58	185D163020	C-ELEC - H50V 4700M-M 105C	
C9A62	181P195080	C-ELEC - 350V 47M-M/Q	
C9A63	185D121020	C-ELEC - H180V 470M-M 105C	
C9A69	181P358030	C-ELEC - 35V 4700M-M	
C9A73	181P358030	C-ELEC - 35V 4700M-M	
C9C03	141P133080	C-CER-CHIP - F50V 0.01M-Z	
C9C06	141P139090	C-CER-CHIP - B16V 0.47M-K	
C9C11	141P139090	C-CER-CHIP - B16V 0.47M-K	
C9C13	141P139030	C-CER-CHIP - B25V 0.1M-K	
C9C21	141P139090	C-CER-CHIP - B16V 0.47M-K	
C9C22	141P139030	C-CER-CHIP - B25V 0.1M-K	
C9D00	**189P153040**	**C-M-POLY - 250VAC 0.1M-M**	
C9D01	**189P153040**	**C-M-POLY - 250VAC 0.1M-M**	
CF6M01	299P128010	CERAMIC-OSC - CSB500F2	
CF6P01	299P128010	CERAMIC-OSC - CSB500F2	
		SWITCHES	
S7K01	432P089010	SW-KEY-BOARD - PUSH-ON	235678
S7L01	432P089010	SW-KEY-BOARD - PUSH-ON	235678
S7L02	432P089010	SW-KEY-BOARD - PUSH-ON	235678
S7L03	432P089010	SW-KEY-BOARD - PUSH-ON	235678
S7L04	432P089010	SW-KEY-BOARD - PUSH-ON	235678
S7L05	432P089010	SW-KEY-BOARD - PUSH-ON	235678
S7L06	432P089010	SW-KEY-BOARD - PUSH-ON	235678
S7L07	432P089010	SW-KEY-BOARD - PUSH-ON	235678
S7L08	432P089010	SW-KEY-BOARD - PUSH-ON	235678
S7L09	432P089010	SW-KEY-BOARD - PUSH-ON	235678
S7L10	432P089010	SW-KEY-BOARD - PUSH-ON	235678
S7L11	432P089010	SW-KEY-BOARD - PUSH-ON	235678
S7L12	432P089010	SW-KEY-BOARD - PUSH-ON	235678
S7L13	432P089010	SW-KEY-BOARD - PUSH-ON	235678
S7L21	432P089010	SW-KEY-BOARD - PUSH-ON	1&4
S7L22	432P089010	SW-KEY-BOARD - PUSH-ON	1&4
S7L23	432P089010	SW-KEY-BOARD - PUSH-ON	1&4
S7L24	432P089010	SW-KEY-BOARD - PUSH-ON	1&4
S7L25	432P089010	SW-KEY-BOARD - PUSH-ON	1&4
S7L26	432P089010	SW-KEY-BOARD - PUSH-ON	1&4
S7L27	432P089010	SW-KEY-BOARD - PUSH-ON	1&4
S7L28	432P089010	SW-KEY-BOARD - PUSH-ON	1&4
S7L29	432P089010	SW-KEY-BOARD - PUSH-ON	1&4
		MISCELLANEOUS	
	189P078010	C-M-PLA-PP - 200V 10M-K-TWEETER CAP	3-7
	242D483020	IR-EMITTER	
	246C351030	AC-POWER-CORD	
	330P276010	**DEFL-YOKE**	
	338P046030	SVM COIL ASSY - G&B	12458
	338P046080	SVM COIL ASSY - RED	12458
	338P051010	SVM COIL ASSY - R&G	3-7
	338P051020	SVM COIL ASSY - BLUE	3-7
	490P174010	LENS:RED	1-2-8
	490P174020	LENS:GREEN	1-2-8
	490P174030	LENS:BLUE	1-2-8
	490P174070	LENS:RED	4-5
	490P174080	LENS:GREEN	4-5
	490P174090	LENS:BLUE	3-4-5-6
	490P195010	LENS:ALL COLORS	7
	490P210010	LENS:RED	3-6
	490P210020	LENS:GREEN	3-6
	449C141030	**SOCKET-CRT**	
	453B035010	**CAP-ANODE - SHORT - RED**	**1234568**
	453B035020	**CAP-ANODE - LONG - G&B**	**1234568**
	453B035030	**CAP-ANODE - SHORT - RED**	**7**
	453B035040	**CAP-ANODE - LONG - G&B**	**7**
	453C021030	**LEAD-ANODE - FBT-HV**	
	480P053010	SPEAKER	12458
	480P057010	SPEAKER - LARGE	3-7
	480P058010	SPEAKER - SMALL	3-7
	589C062010	CASTER	
	622C065010	CLIP-MIRROR	8
	622C076010	BRACKET-SVM	
	642C340010	BOARD-MIRROR	4-6
	642C352010	CLIP-MIRROR	1-3
	669D514070	SCREW-MIRROR BOARD	4-7
	767C031010	MIRROR - 73"	7
	767D048090	MIRROR - 65"	4-6
	767D055040	MIRROR - 55"	1-3
	767D055050	MIRROR - 46"	8
	920P016010	**HV-BLOCK - MSC102**	
AG5K00	224D019040	AIR-GAP - 2.0+-0.5KV S.LEAD	
F5A00	**283P043060**	**FUSE - LF251 3A**	
F5A01	**283P043060**	**FUSE - LF251 3A**	
F9A01	**283P044010**	**FUSE - LF251 7A**	
F9A02	**283P044020**	**FUSE - LF251 10A**	
F9A03	**283P043090**	**FUSE - LF251 5A**	
F9A04	**283P043090**	**FUSE - LF251 5A**	
F9A05	**283P043090**	**FUSE - LF251 5A**	
F9A06	**283P044010**	**FUSE - LF251 7A**	
F9D00	**283D131040**	**FUSE - S10A 125A**	
K9A50	**287P049080**	**RELAY-POWER - DG12D1-0(M)**	

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description	[#]
PC9A20	**268P058020**	**PHOTO-COUPLER - ON3131-R/ON3161-R**	
PC9A50	**268P058020**	**PHOTO-COUPLER - ON3131-R/ON3161-R**	
PC9A51	268P058020	PHOTO-COUPLER - ON3131-R/ON3161-R	
PJ2J01	440C386010	PIN-JACK-BOARD	12458
PJ2J01	440C386030	PIN-JACK-BOARD-6P-2S	3-7
PJ2J02	440C386020	PIN-JACK-BOARD-6P-1S	12458
PJ2J02	440C386040	PIN-JACK-BOARD-6P-1S	3-7
PJ2J03	440C387010	I-S-CONNECTOR - 1S(NI) YKF51-5562	2&5
PJ2J03	440C387020	I-S-CONNECTOR	3-7
PJ2J04	440C261050	PIN-JACK-BOARD-2P	2&5
PJ2J04	440C383020	PIN-JACK-BOARD-2P	3-7
PJ2J06	440C261070	PIN-JACK-BOARD-2P	2&5
PJ2J06	440C383040	PIN-JACK-BOARD-2P	3-7
PJ2J07	440C385010	PIN-JACK-BOARD-6P	12458
PJ2J07	440C385030	PIN-JACK-BOARD-6P	3-7
PJ2J08	440C261070	PIN-JACK-BOARD-2P	12458
PJ2J08	440C383040	PIN-JACK-BOARD-2P	3-7
PJ2J09	440C261050	PIN-JACK-BOARD-2P	12458
PJ2J09	440C383020	PIN-JACK-BOARD-2P	3-7
PJ2J10	440C385020	PIN-JACK-BOARD-6P	12458
PJ2J10	440C385040	PIN-JACK-B0ARD-6P	3-7
PJ2J11	440C231010	JACK-3PIN - FRONT A/V	12458
PJ2J11	440C384010	PIN-JACK-BOARD-3P-1S-FRONT A/V	3-7
PJ2J11	440C261050	PIN-JACK-BOARD-2P-PCB-TERMINAL	12458
PJ2J11	440C383020	PIN-JACK-BOARD-2P-PCB-TERMINAL	3-7
PJ2J12	440C261050	PIN-JACK-BOARD-2P	12458
PJ2J12	440C383020	PIN-JACK-BOARD-2P	3-7
PJ7A00	451C129010	JACK-MINI - AV NET/IR BLAST	
PJ7A01	451C129010	JACK-MINI - AV NET/IR BLAST	23567
PJ7A02	451C129010	JACK-MINI - AV NET/IR BLAST	
PT7A00	264P723010	D-LED - SFH310-3	1&4
PT7A10	264P723010	D-LED - SFH310-3	235678
TU1A01	**295P500010**	**TUNER-RF - ENG26515G**	
TU1B01	**295P500010**	**TUNER-RF - ENG26515G**	
X2031	285P374050	QUARTS-CRYST - 20.000MHZ	
X3A01	299P208010	CERAMIC-OSC - C5B503F58	
X6C26	285P374020	QUARTZ-CRYST - 3.579545MHZ	
X6P26	285P374020	QUARTZ-CRYST - 3.579545MHZ	
X7A01	285P029030	QUARTZ-CRYST - 4.000000MHZ	
X7H00	285P335040	QUARTZ-CRYST - 60.000MHZ	
X7H01	285P335050	QUARTZ-CRYST - 80.000MHZ	
X8N01	285P391010	OSC - DSO751SV 24.576 MHZ	23567
X8S01	285P391020	OSC - DSO751SV 33.333 MHZ	23567
Z7K01	939P617010	UNIT-PREAMP - GP1U283Q	
		PRINTED CIRCUIT BOARDS	
	930B866001	ASSY-PWB-MAIN	1245
	930B866002	ASSY-PWB-MAIN	8
	930B866003	ASSY-PWB-MAIN	7
	930B866004	ASSY-PWB-MAIN	3&6
	930B867001	ASSY-PWB-POWER	
	930B868001	ASSY-PWB-SIGNAL	1&4
	930B868002	ASSY-PWB-SIGNAL	2&5
	930B868003	ASSY-PWB-SIGNAL	3&6
	930B868004	ASSY-PWB-SIGNAL	7
	930B868005	ASSY-PWB-SIGNAL	8
	935C907001	ASSY-PWB-CRT	
	935C908001	ASSY-PWB-2HDW	
	935C915001	ASSY-TERMINAL	1-8
	935C915002	ASSY-TERMINAL	2&5
	935C915003	ASSY-TERMINAL	3-7
	935C916001	ASSY-BITMAP	23567
	935D519001	ASSY-PWB-PREAMP	
	935D520001	ASSY-PWB-SVM	
	935D521001	ASSY-PWB-DBF	12458
	935D521002	ASSY-PWB-DBF	7
	935D521003	ASSY-PWB-DBF	3&6
	935D522001	ASSY-PWB-JUNGLE	
	935D523001	ASSY-PWB-CONV-GENE	
	935D524001	ASSY-PWB-CONTROL 2	1&4
	935D525001	ASSY-PWB-FRONT	12458
	935D525002	ASSY-PWB-FRONT	3-7
	935D526001	ASSY-PWB-CONTROL	235678
	935D527001	ASSY-PWB-DISPLAY	235678
	935D528001	ASSY-PWB-AI	235678
	935D531001	ASSY-PWB-3DYC/MD	
	935D536001	ASSY-PREAMP2	23567
	975B135005	ASSY-CONTROL PANEL	8
	975B135006	ASSY-CONTROL PANEL	25
	975B135007	ASSY-CONTROL PANEL	367
		COSMETIC PARTS	
	641C474030	DAMPER-CONTROL-PANEL	235678
	702A383010	COVER-CONTROL	3-7
	702A384020	DOOR-CONTROL	235678
	702A391020	PANEL-CONTROL	1
	702A392010	PANEL-TERMINAL	
	702A393020	PANEL-CONTROL	4
	702A395010	COVER-CONTROL PANEL	2-8
	703B031020	DOOR - FRONT A/V IN COVER	1&4
	704B147020	KNOB-POWER	235678
	750A356010	COVER-BACK - 46"	8
	752A001010	UNIT-FRONT-TOP	3
	752A002010	UNIT-FRONT	3
	752A002020	UNIT-FRONT	6
	752A002030	UNIT-FRONT	7
	752A003010	UNIT-FRONT-TOP	6&7
	752C244010	UNIT-FLIP-PANEL-CONT	235678
	760B259010	OVERLAY - PANEL-CONTROL	235678
	761A159020	GRILLE-SP - 60"	1
	761A162010	GRILLE-SP - 46"	8
	761A171010	GRILLE-SP - 65"	4
	761A172010	GRILLE-SP - 55"	2
	761A173010	GRILLE-SP - 65"	5
	761A174010	GRILLE-SP-LEFT - 55"	3
	761A174020	GRILLE-SP-RIGHT - 55"	3
	761A175010	GRILLE-SP-LEFT - 65"	6
	761A175020	GRILLE-SP-RIGHT - 65"	6
	761A186010	GRILLE-SP-LEFT - 73"	7
	761A186020	GRILLE-SP-RIGHT - 73"	7
	761C437010	CATCH-DOOR	235678
	762B345020	BACK-BOARD	8
		ACCESSORIES	
	290P103010	REMOTE CONTROL	148
	290P103020	REMOTE CONTROL	23567
	871B195010	IB-SEPARATE	5-7
	871B195020	IB-SEPARATE	4
	871D297010	IB - OWNERS GUIDE	23567
	871D297020	IB - OWNERS GUIDE	148
	852C082010	QR - GUIDE	23567
	852C082020	QR - GUIDE	148

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

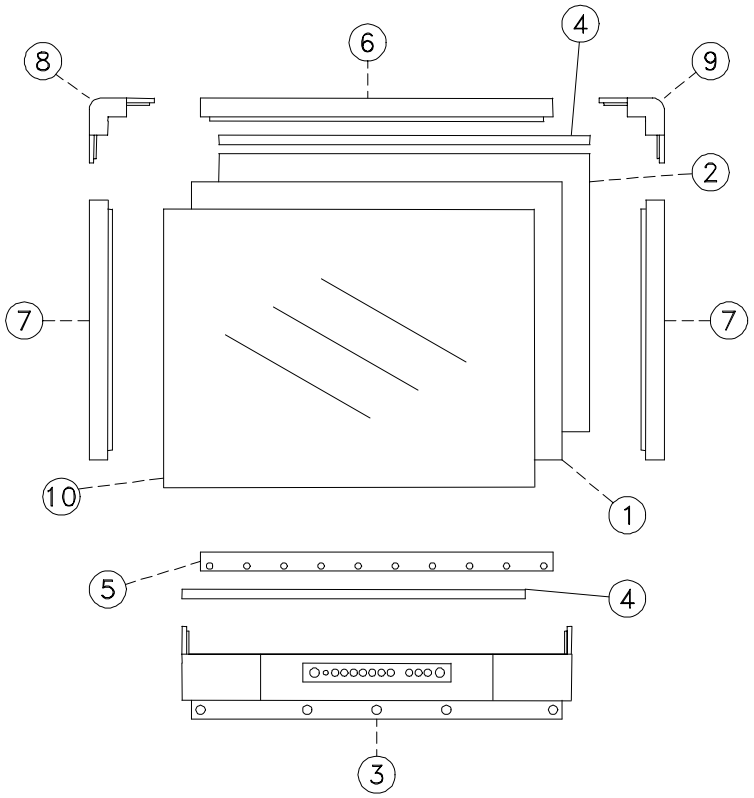
SCREEN ASSEMBLY PARTS

WS-55807 ***(Figure 1)***

Ref #	Part #	Part Name & Description
(1)	491P103010	SCREEN-LENTICULAR
(2)	491P104010	LENS-FRESNEL
(3)	702A391020	PANEL-CONTROL
(4)	622C060040	CLIP-SCREEN-TOP/BOT
(5)	622C063040	HOLDER-SCREEN-BOT
(6)	701B400080	FRAME-SCREEN-TOP - 60"
(7)	701B417010	FRAME-SCREEN-SIDE - 55"
(8)	702A388030	CAP-CORNER-LEFT
(9)	702A388040	CAP-CORNER-RIGHT
(10)	760D627060	DIAMOND SHIELD

WS-65807 ***(Figure 1)***

Ref #	Part #	Part Name & Description
(1)	491P105020	SCREEN LENTICULAR
(2)	491P106020	LENS-FRESNEL
(3)	702A393020	PANEL-CONTROL
(4)	622C059050	HOLDER-SCREEN-BOT
(5)	622C060050	CLIP-SCREEN-TOP/BOT
(6)	701B425010	FRAME-SCREEN-TOP - 70"
(7)	701B426030	FRAME-SCREEN-SIDE - 65"
(8)	702A388030	CAP-CORNER-LEFT
(9)	702A388040	CAP-CORNER-RIGHT
(10)	760D627080	DIAMOND SHIELD



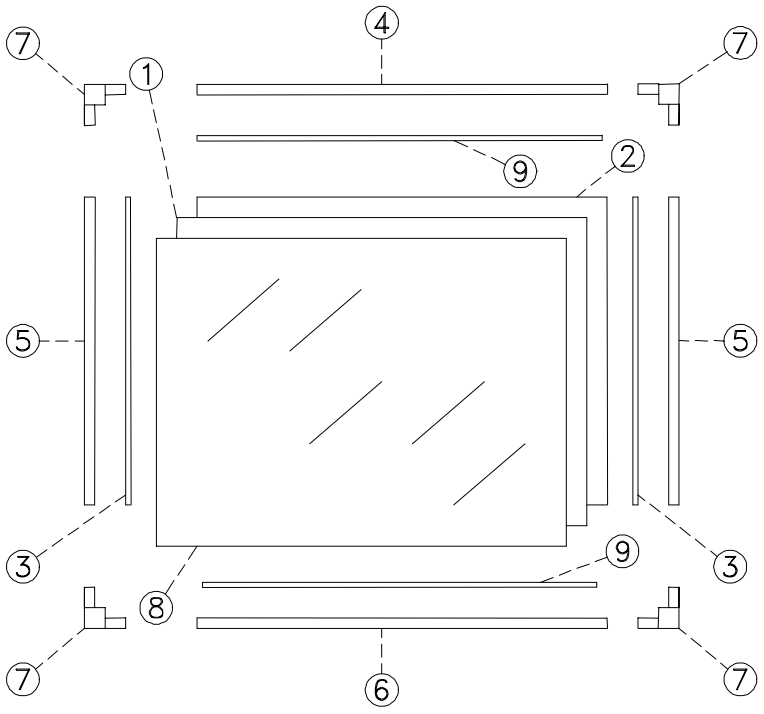
WS-55807
WS-65807

Figure 1: Screen Assembly Parts

[#] Model Legend: (1) WS-55807, (2) WS-55857, (3) WS-55907, (4) WS-65807, (5) WS-65857, (6) WS-65907, (7) WS-73907, (8) WT-46807

Ref #	Part #	Part Name & Description
WS-55857 *(Figure 2)*		
(1)	491P103010	SCREEN-LENTICULAR
(2)	491P104010	LENS-FRESNEL
(9)	622C071010	CLIP-SCREEN-TOP/BOT
(4&6)	701B429010	SCREEN-FRAME-TOP/BOT - 55"
(5)	701B430010	SCREEN-FRAME-SIDES - 55"
(7)	702A396010	CAP-CORNER
(8)	760D627060	DIAMOND SHIELD
WS-55907 *(Figure 2)*		
(1)	491P103010	SCREEN-LENTICULAR
(2)	491P104010	LENS-FRESNEL
(3)	622D746080	CLIP-SCREEN-SIDES
(4)	711C029040	FRAME-SCREEN-TOP - 55"
(5)	711C029050	FRAME-SCREEN-SIDES - 55"
(6)	711C029060	FRAME-SCREEN-BOTTOM - 55"
(7)	768C065010	CAP-CORNER
(8)	760D628010	DIAMOND SHIELD
WS-65857 *(Figure 2)*		
(1)	491P105010	SCREEN-LENTICULAR
(2)	491P106010	LENS-FRESNEL
(9)	622C071020	CLIP-SCREEN-TOP/BOT
(4&6)	701B429020	SCREEN-FRAME-TOP/BOT - 65"
(5)	701B430020	SCREEN-FRAME-SIDES - 65"
(7)	702A396010	CAP-CORNER
(8)	760D627070	DIAMOND SHIELD

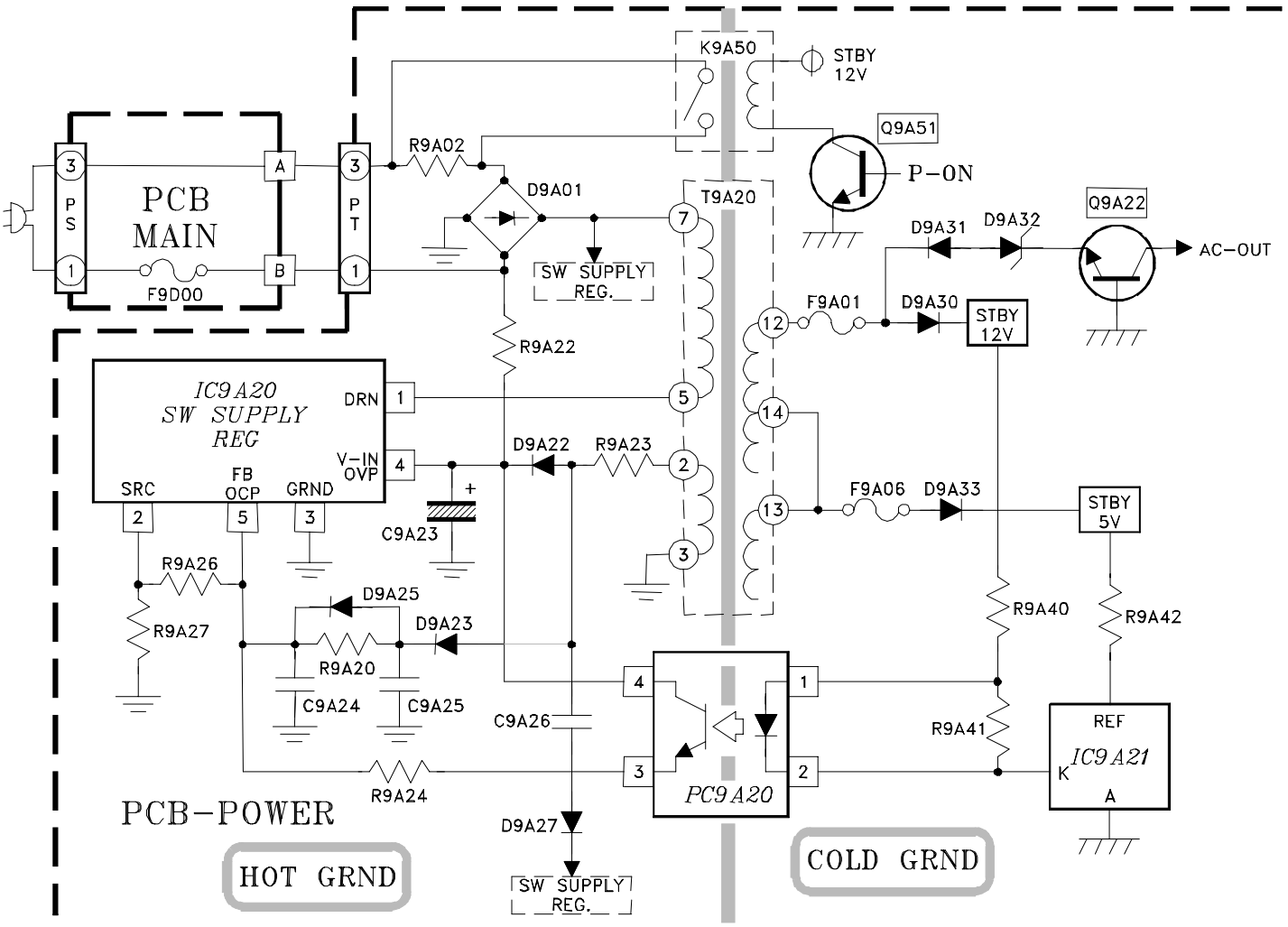
Ref #	Part #	Part Name & Description
WS-65907 *(Figure 2)*		
(1)	491P105010	SCREEN-LENTICULAR
(2)	491P106010	LENS-FRESNEL
(3)	622D746020	CLIP-SCREEN-SIDES
(4)	711C026040	FRAME-SCREEN-TOP - 65"
(5)	711C026050	FRAME-SCREEN-SIDES - 65"
(6)	711C026060	FRAME-SCREEN-BOTTOM - 65"
(7)	768C065010	CAP-CORNER
(8)	760D628020	DIAMOND SHIELD
WS-73907 *(Figure 2)*		
(1)	491P085020	SCREEN-LENTICULAR
(2)	491P086020	LENS-FRESNEL
(3)	622D746010	CLIP-SCREEN-SIDES
(4)	711C029070	FRAME-SCREEN-TOP - 73"
(5)	711C029080	FRAME-SCREEN-SIDES - 73"
(6)	711C029090	FRAME-SCREEN-BOTTOM - 73"
(7)	768C065010	CAP-CORNER
(8)	760D628030	DIAMOND SHIELD
WT-46807 *(Figure 2)*		
(1)	491P118010	SCREEN-LENTICULAR
(2)	491P119010	LENS-FRESNEL
(3)	622D746070	CLIP-SCREEN-SIDES
(4)	711C029010	FRAME-SCREEN-TOP - 46"
(5)	711C029020	FRAME-SCREEN-SIDES - 46"
(6)	711C029030	FRAME-SCREEN-BOTTOM - 46"
(7)	768C065020	CAP-CORNER
(8)	760D627050	DIAMOND SHIELD



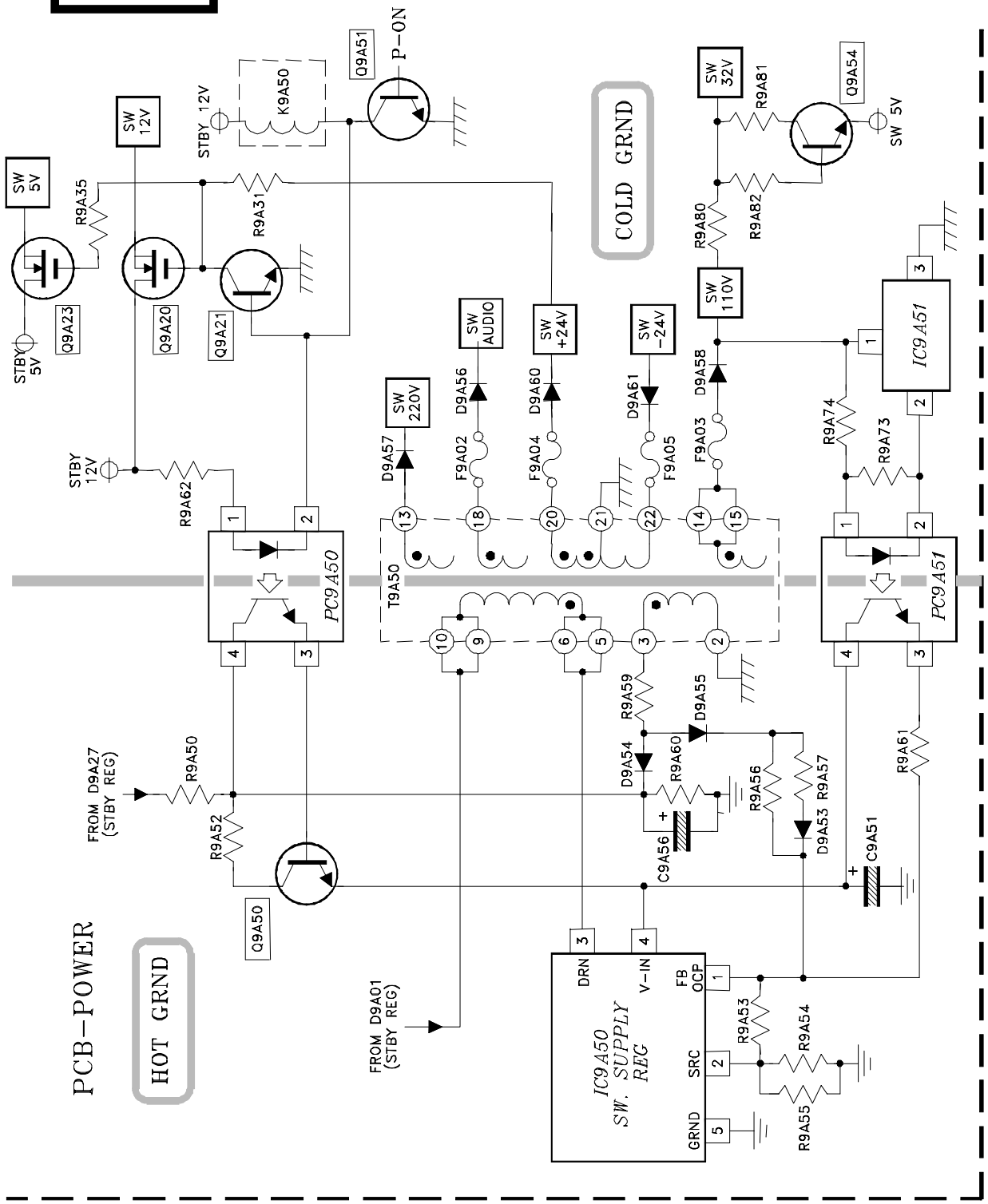
WS-55857
WS-65857
WS-55907
WS-65907
WS-73907
WT-46807

Figure 2: Screen Assembly Parts

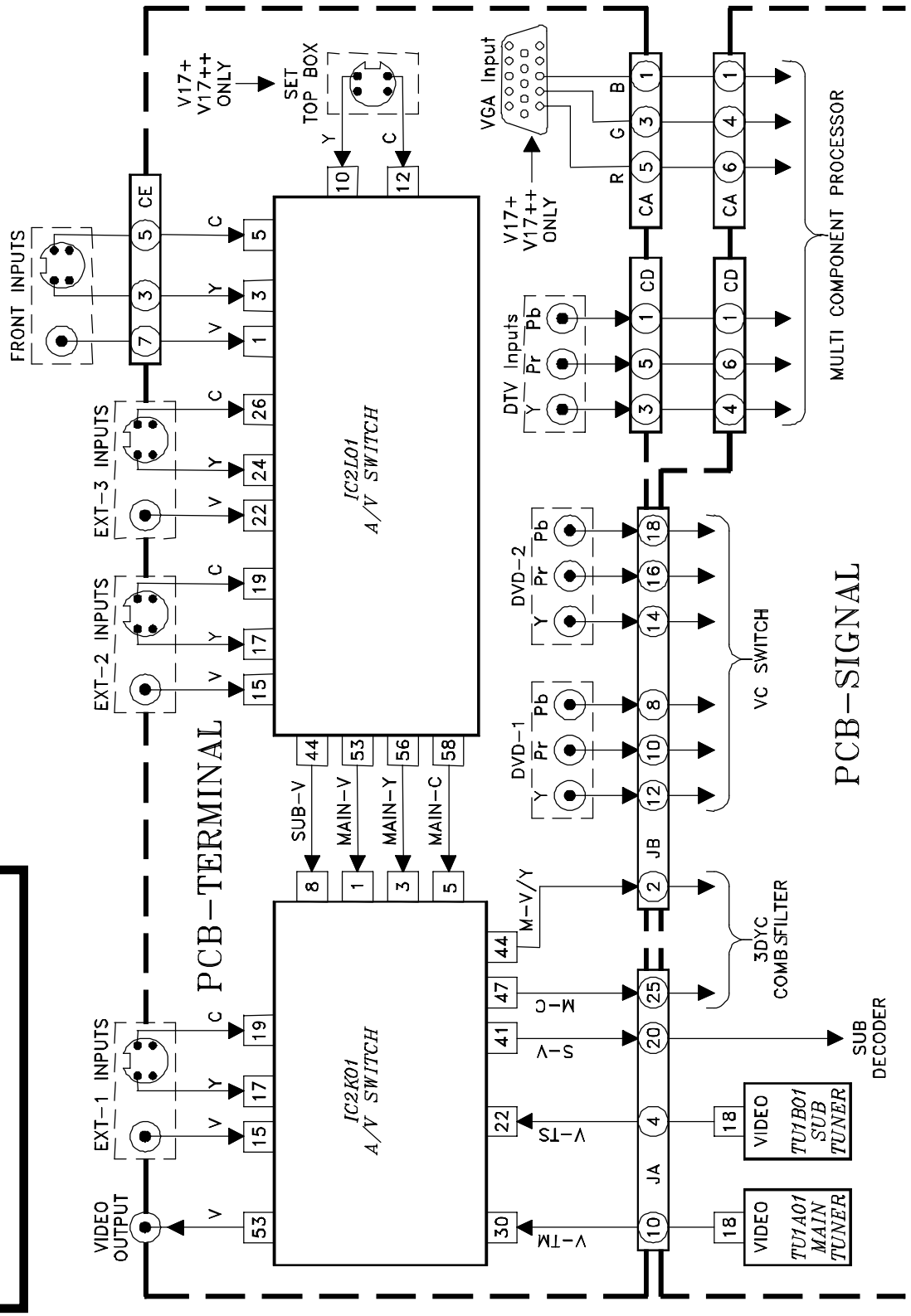
STANDBY SUPPLY REGULATOR

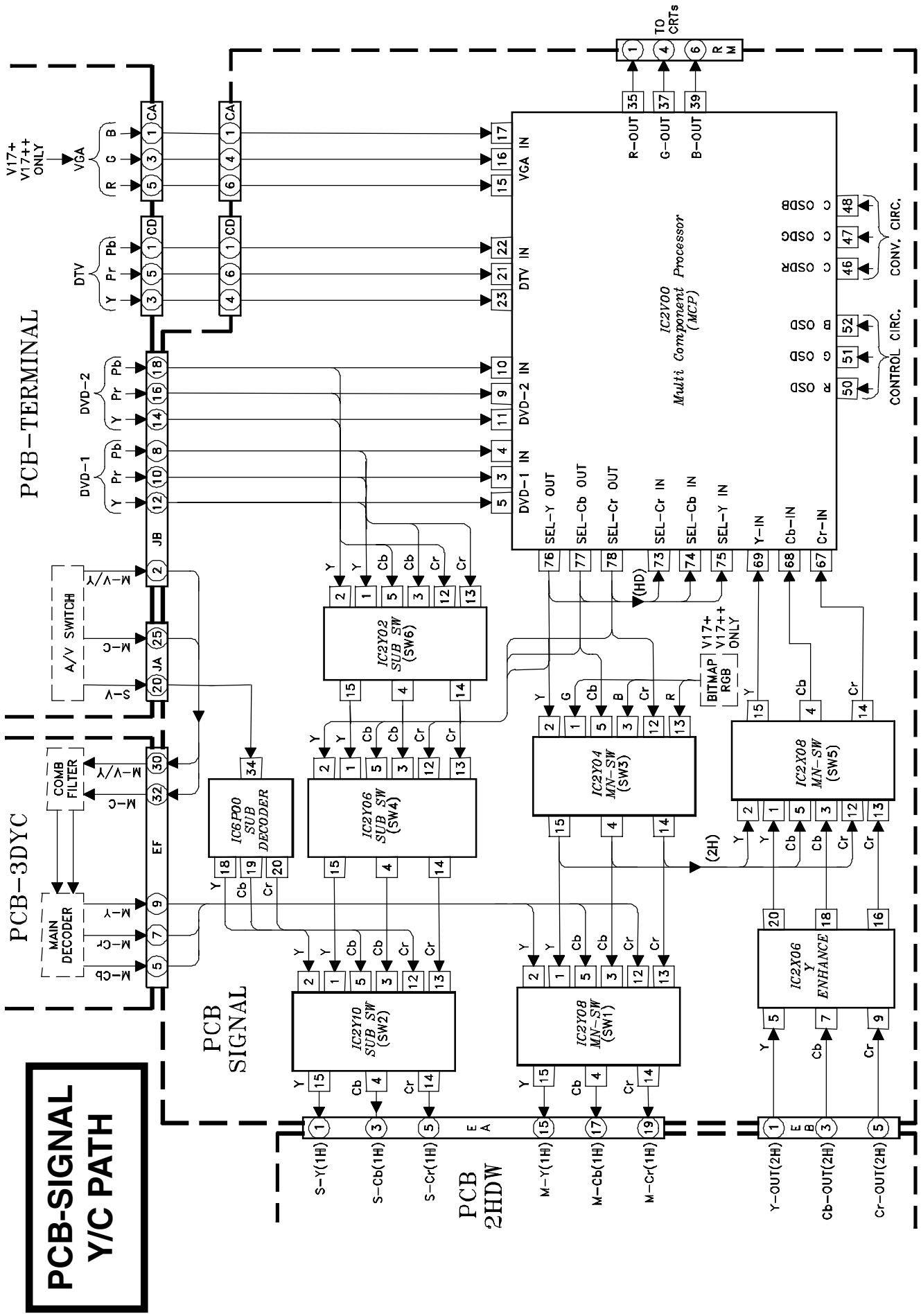


SWITCHED SUPPLIES REGULATOR

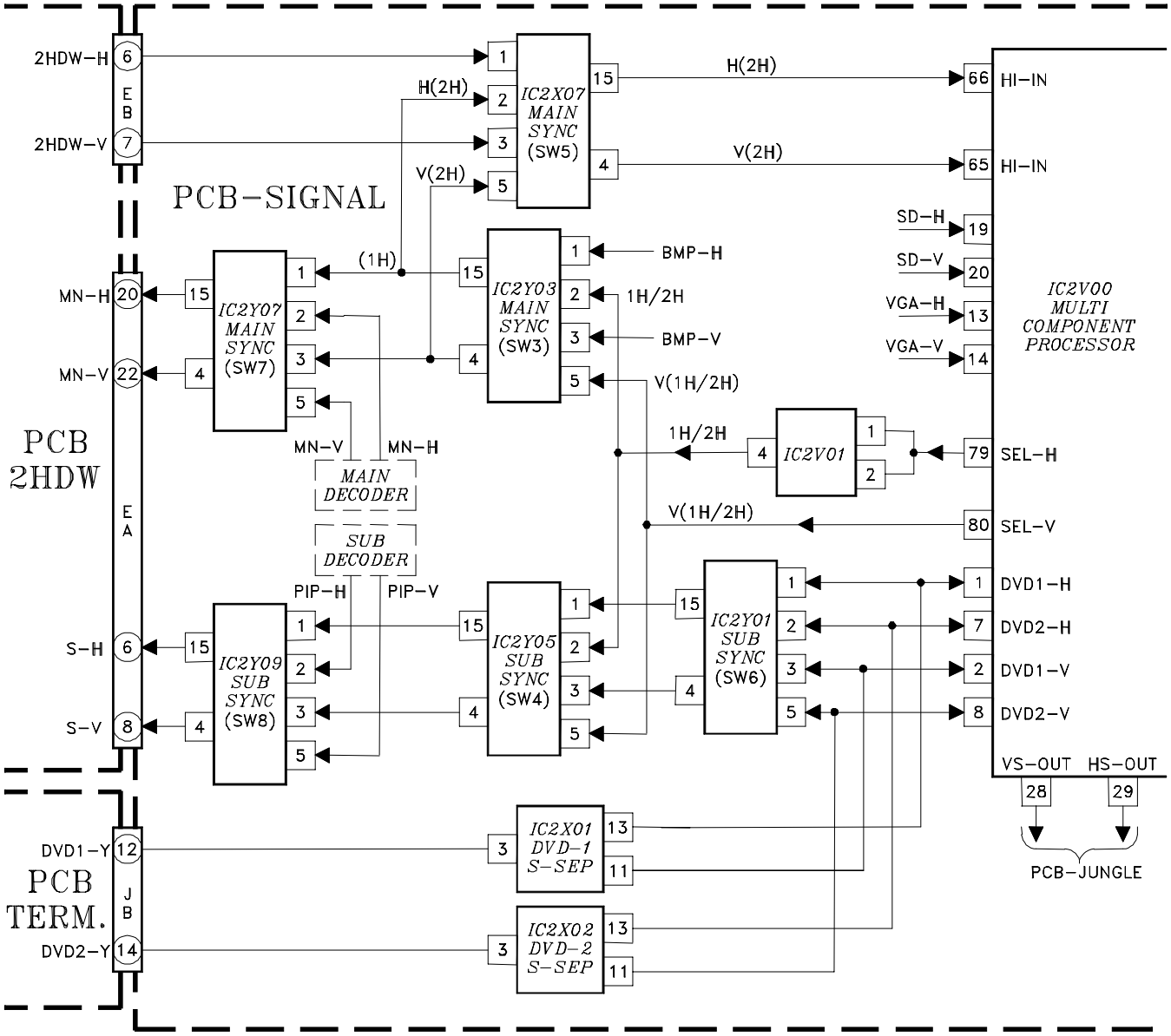


VIDEO/COLOR A/V SWITCH CIRCUIT

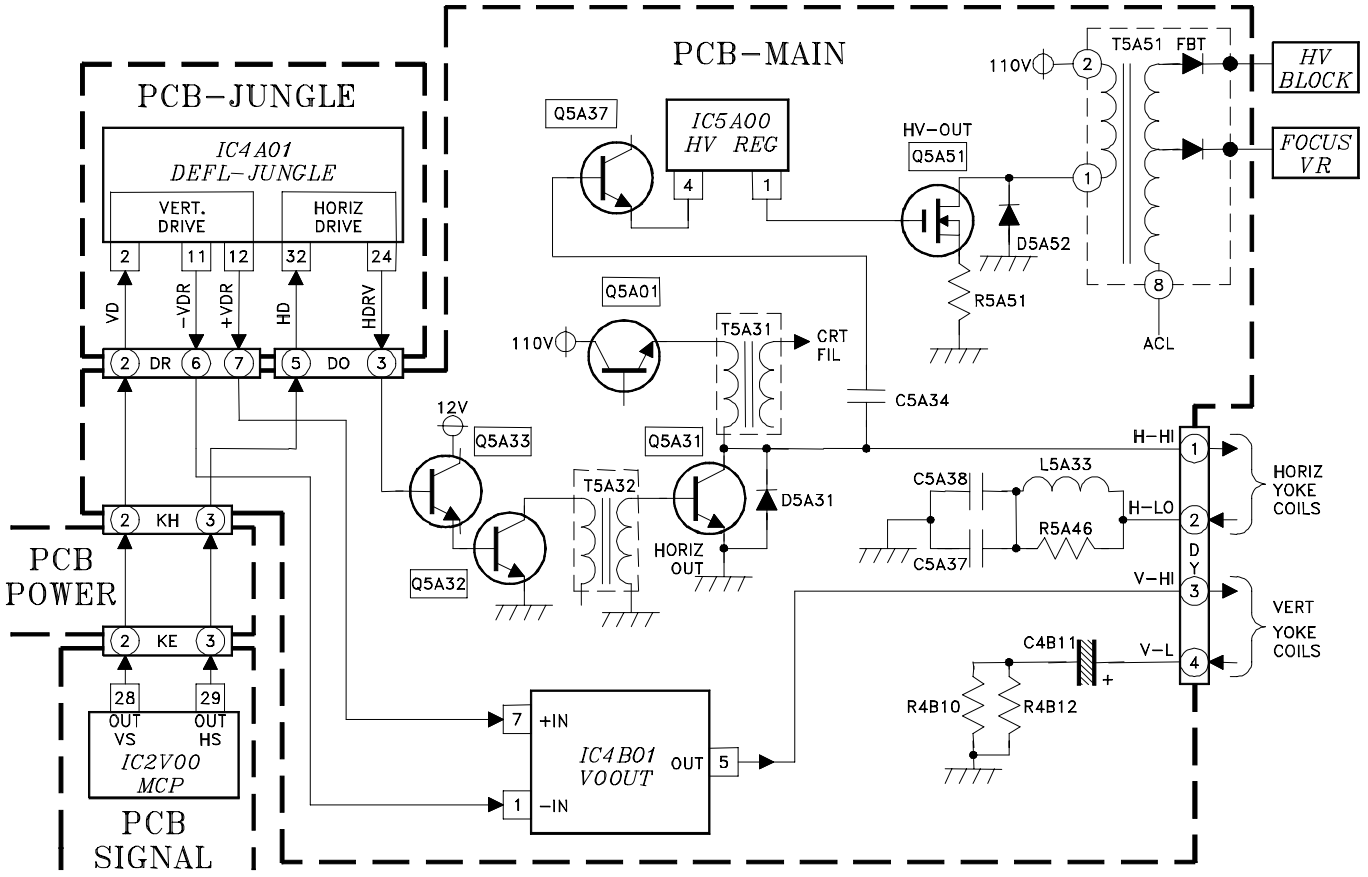


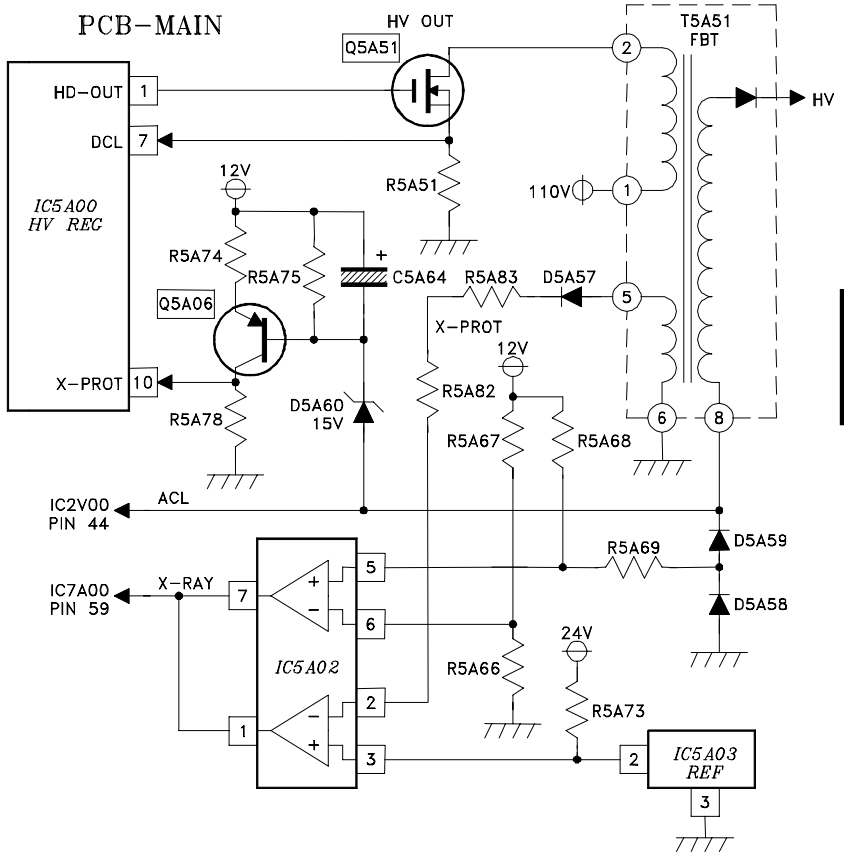

PCB-SIGNAL Y/C PATH
PCB-TERMINAL
PCB-3DYC
PCB SIGNAL
PCB 2HDW
V17+ V17++ ONLY
VGA
DTV
DVD-2
DVD-1
JB
JA
EF
A/V SWITCH
COMB FILTER
MAIN DECODER
IC6P00 SUB DECODER
IC2Y02 SUB SW (SW6)
IC2Y06 SUB SW (SW4)
IC2Y10 SUB SW (SW2)
IC2Y04 MN-SW (SW3)
IC2Y08 MN-SW (SW1)
IC2X08 MN-SW (SW5)
IC2X06 Y ENHANCE
IC2V00 Multi Component Processor (MCP)
BITMAP RGB
TO CRTs
R-OUT
G-OUT
B-OUT
VGA IN
DTV IN
DVD-2 IN
DVD-1 IN
SEL-Y OUT
SEL-Cb OUT
SEL-Cr OUT
SEL-Cr IN
SEL-Cb IN
SEL-Y IN
Y-IN
Cb-IN
Cr-IN
CONTROL CIRC.
CONV. CIRC.
(HD)
(2H)
S-Y(1HI)
S-Cb(1HI)
S-Cr(1HI)
M-Y(1HI)
M-Cb(1HI)
M-Cr(1HI)
Y-OUT(2HI)
Cb-OUT(2HI)
Cr-OUT(2HI)

SYNC PATH


PCB-SIGNAL
PCB 2HDW
PCB TERM.
2HDW-H
2HDW-V
MN-H
MN-V
S-H
S-V
DVD1-Y
DVD2-Y
IC2X07 MAIN SYNC (SW5)
IC2Y07 MAIN SYNC (SW7)
IC2Y03 MAIN SYNC (SW3)
IC2Y09 SUB SYNC (SW8)
IC2Y05 SUB SYNC (SW4)
IC2Y01 SUB SYNC (SW6)
IC2X01 DVD-1 S-SEP
IC2X02 DVD-2 S-SEP
IC2V01
IC2V00 MULTI COMPONENT PROCESSOR
MAIN DECODER
SUB DECODER
H(2H)
V(2H)
(1H)
BMP-H
BMP-V
1H/2H
V(1H/2H)
MN-V
MN-H
PIP-H
PIP-V
HI-IN
SD-H
SD-V
VGA-H
VGA-V
SEL-H
SEL-V
DVD1-H
DVD2-H
DVD1-V
DVD2-V
VS-OUT
HS-OUT
PCB-JUNGLE

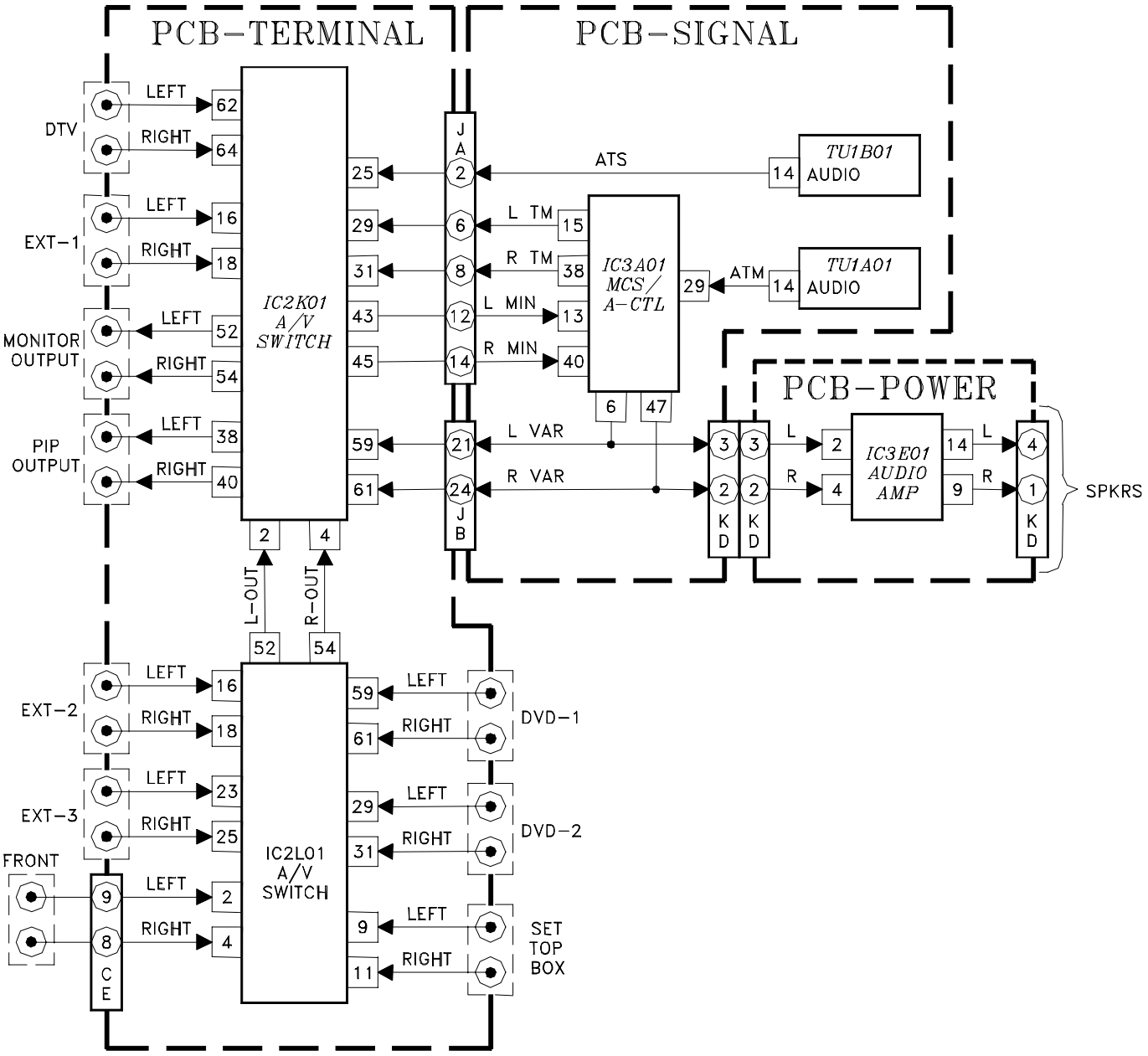
DEFLECTION CIRCUIT



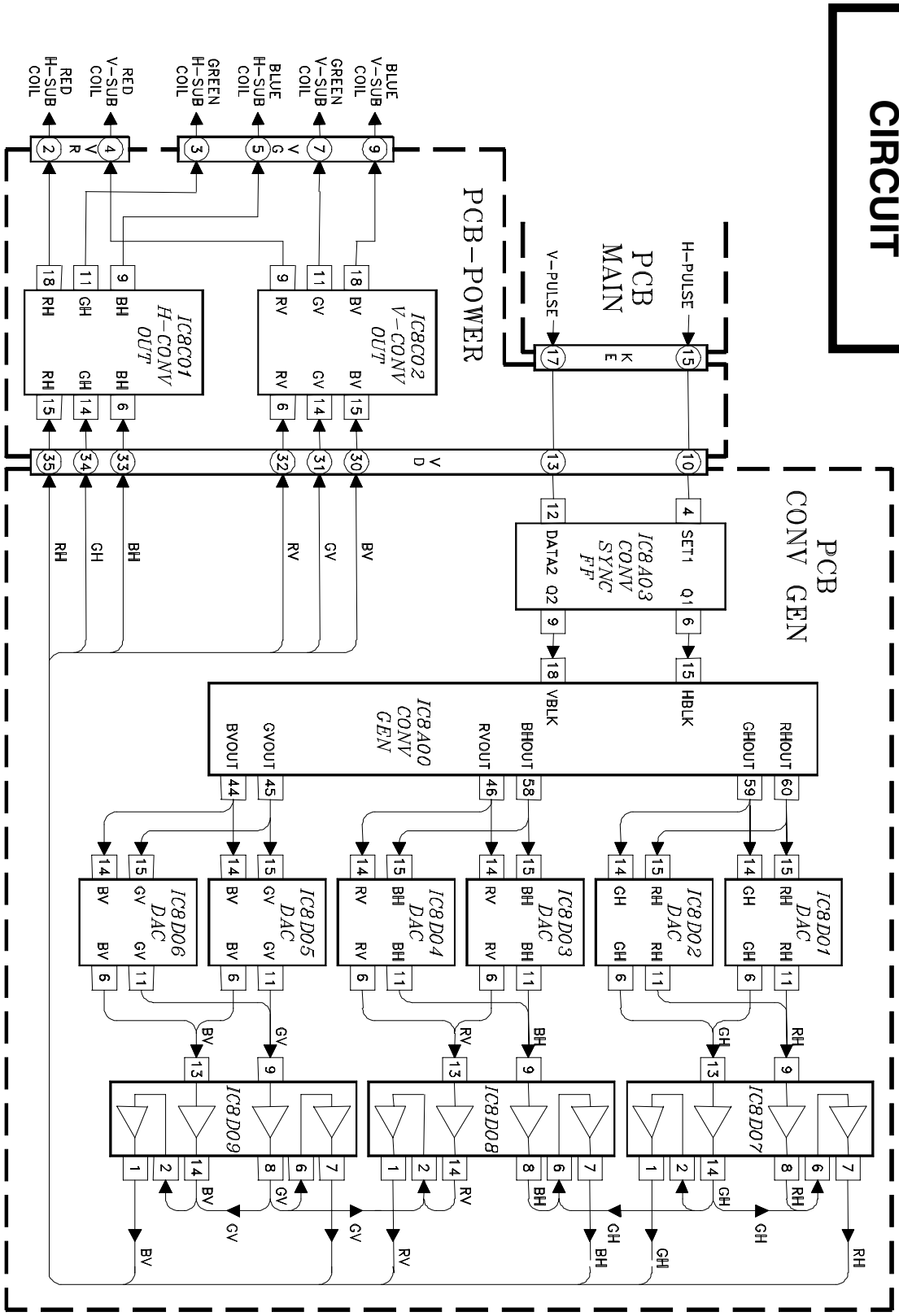


X-RAY PROTECT

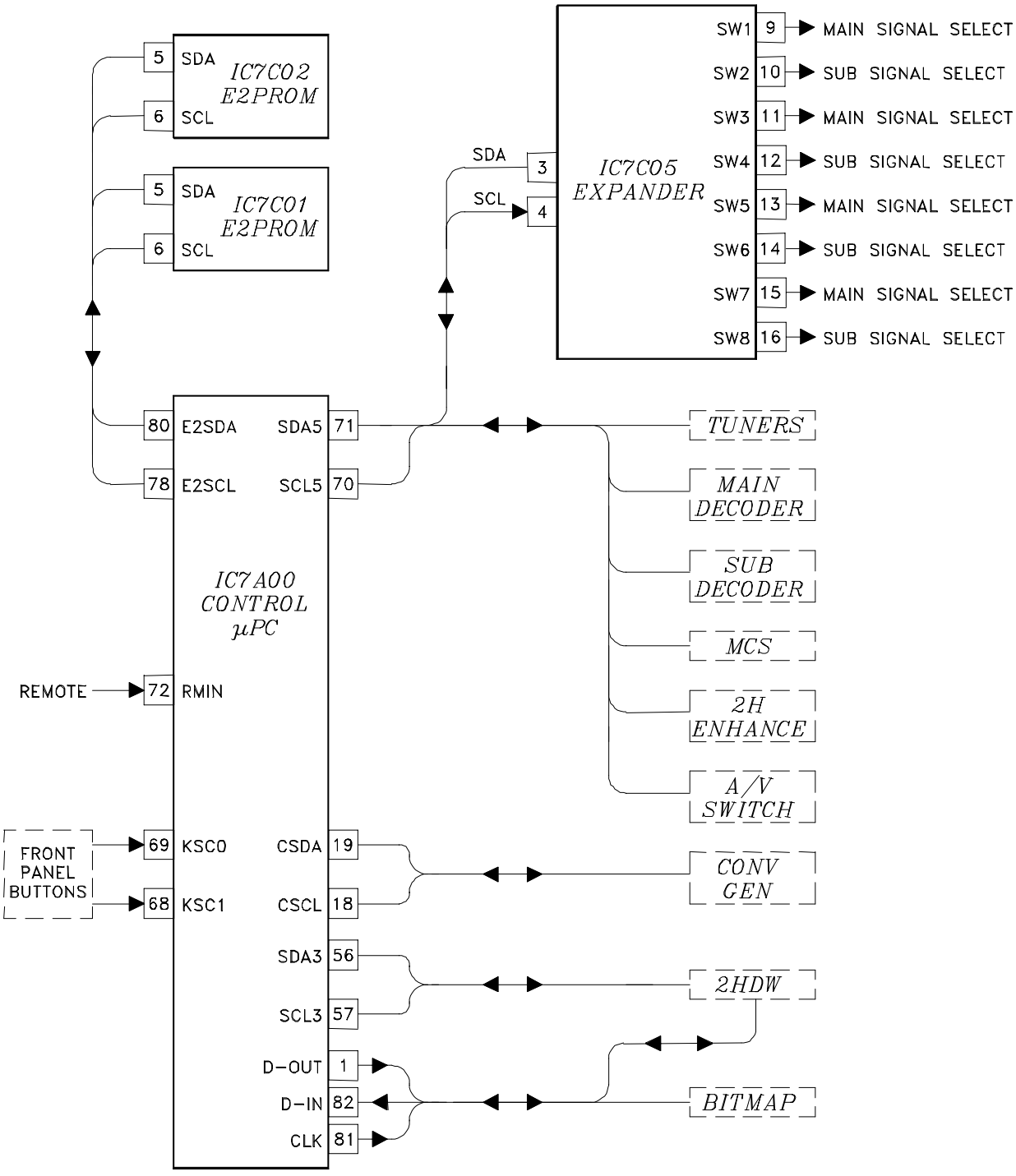
SOUND CIRCUIT

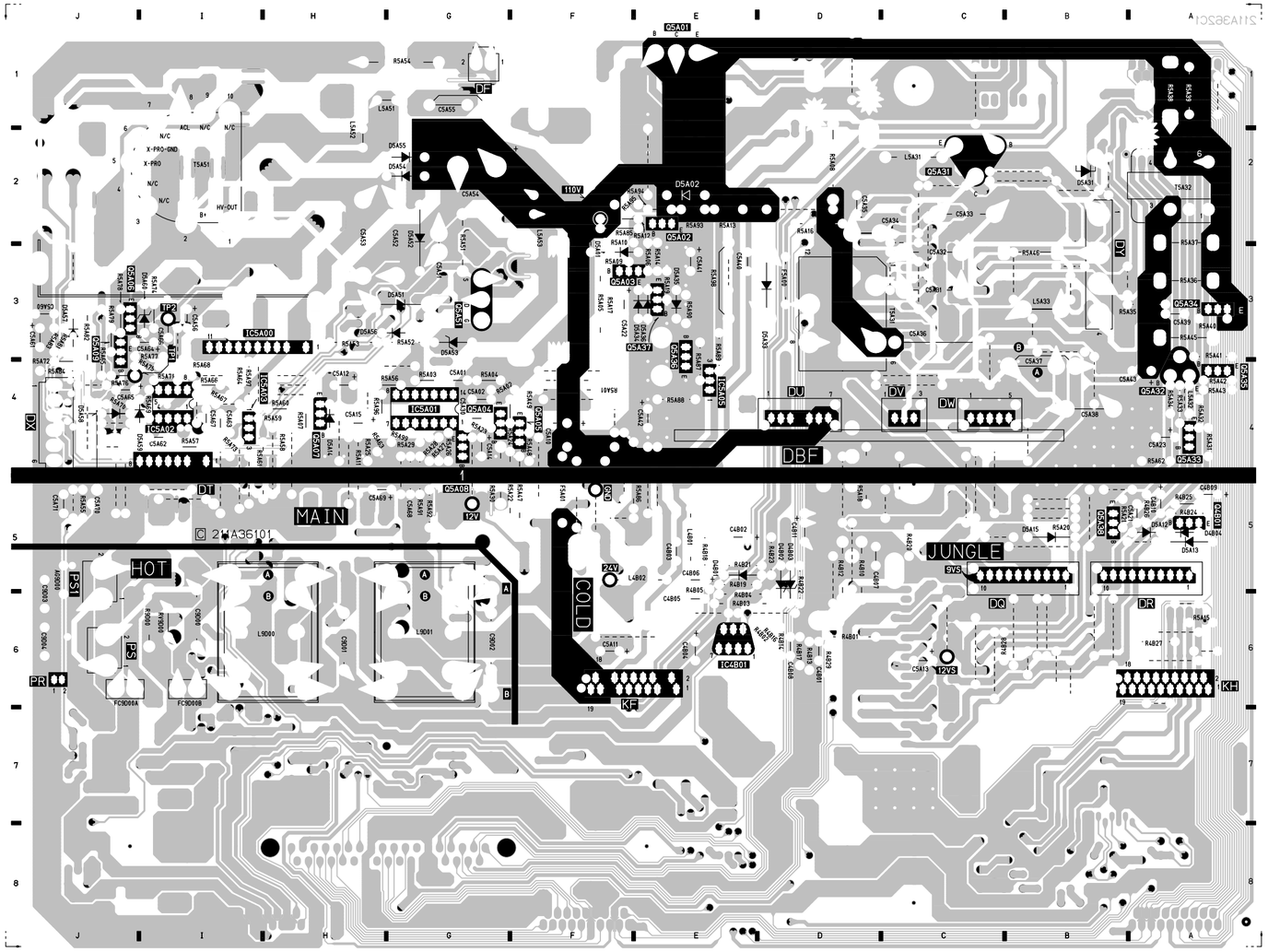


CONVERGENCE CIRCUIT



CONTROL CIRCUIT



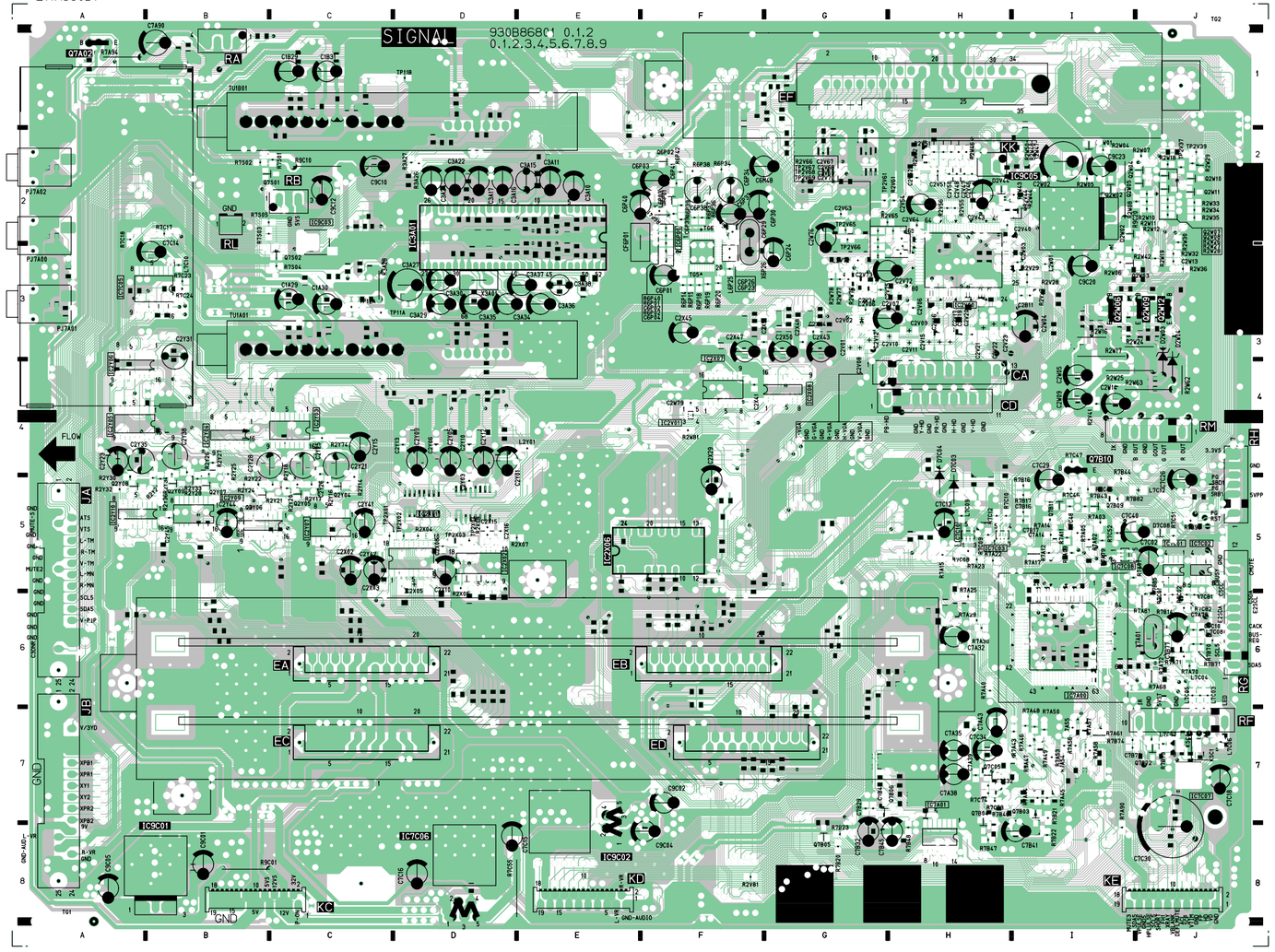


PCB-MAIN

SYMBOL NO.	ADDRESS
AG9000	J5
D4B01	E5
D4B02	D5
D4B03	D5
D4B04	A5
D5A01	F3
D5A02	E2
D5A12	A5
D5A13	A5
D5A14	H4
D5A15	B5
D5A31	B2
D5A33	D3
D5A35	E3
D5A36	E3
D5A51	G3
D5A52	G2
D5A53	G3
D5A54	G2
D5A55	G2
D5A56	G3
D5A57	J3
D5A58	J4
D5A59	I4
D5A60	I3
DA34	E3
F5A00	D3
F5A01	F5
FC900A	J6
FC900B	I6
IC4B01	E6
IC5A00	I3
IC5A01	G4
IC5A02	I4
IC5A03	I4
IC5A05	E4
L4B01	E5
L4B02	E5
L5A31	C2
L5A32	A4
L5A33	B3
L5A51	H1
L5A52	H2
L5A53	F2
L9000	H6
L9001	G6
Q4B01	A5
Q5A01	E1
Q5A02	E2
Q5A03	F3
Q5A04	G4
Q5A05	F4
Q5A06	J3

SYMBOL NO.	ADDRESS
Q5A07	H4
Q5A08	G4
Q5A09	J3
Q5A31	C2
Q5A32	A4
Q5A33	A4
Q5A34	A3
Q5A35	A4
Q5A36	E3
Q5A37	E3
Q5A38	B5
Q5A51	G3
RV9000	I6
T5A31	D3
T5A32	A2
T5A51	I2
TP1	J4
TP2	I3

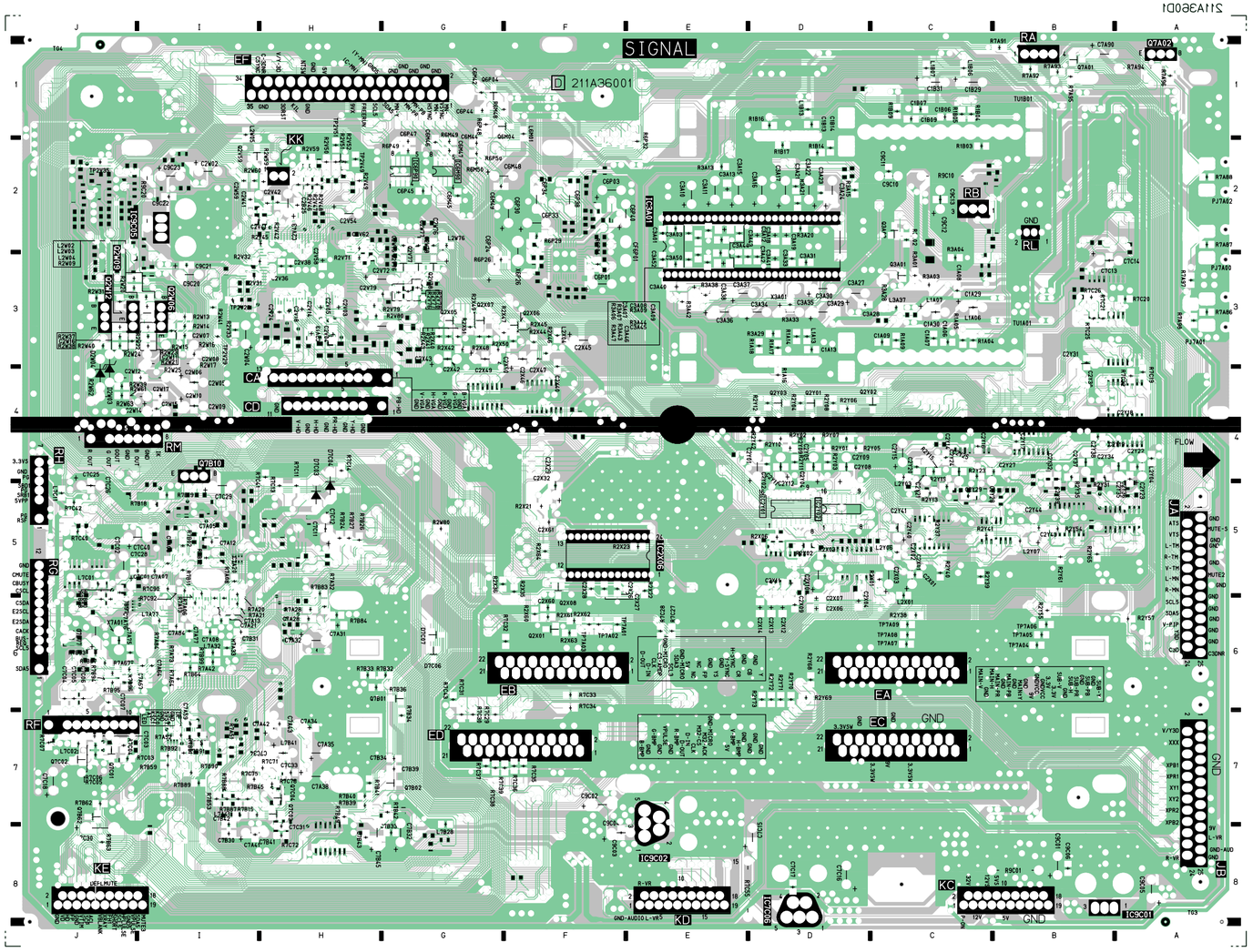
211A360D1



PCB-SIGNAL

SYMBOL NO.	ADDRESS
CF6P01	E3
D2V44	H2
D6W01	I2
D2W02	I2
D2W03	J3
D2W04	J3
D7C08	J5
IC2V00	H3
IC2V01	F4
IC2X01	D5
IC2X02	D5
IC2X06	E5
IC2X08	G4
IC2Y03	C4
IC2Y04	B4
IC2Y05	A4
IC2Y06	A4
IC2Y07	C5
IC2Y08	B5
IC2Y09	B5
IC2Y10	A5
IC3A01	D2
IC6P00	F2
IC7A00	I6
IC7A01	H8
IC7C01	J5
IC7C02	J5
IC7C03	H5
IC7C05	A3
IC7C06	D8
IC7C07	J7
IC7C08	I5
IC7C10	H5
IC9C01	B8
IC9C02	E8
IC9C03	C2
IC9C05	I2
L2V06	G3
L2V72	G3
L2W01	I3
L2Y01	E4
L6P03	F2
L6P25	F3
L7C04	J6
L7C05	J6
L7C07	J7
L7C08	J7
L7C09	H5
L7C12	J5
PJ7A00	A2
PJ7A01	A3
PJ7A02	A2
Q2W02	I2
Q2W03	I3
Q2W04	J2

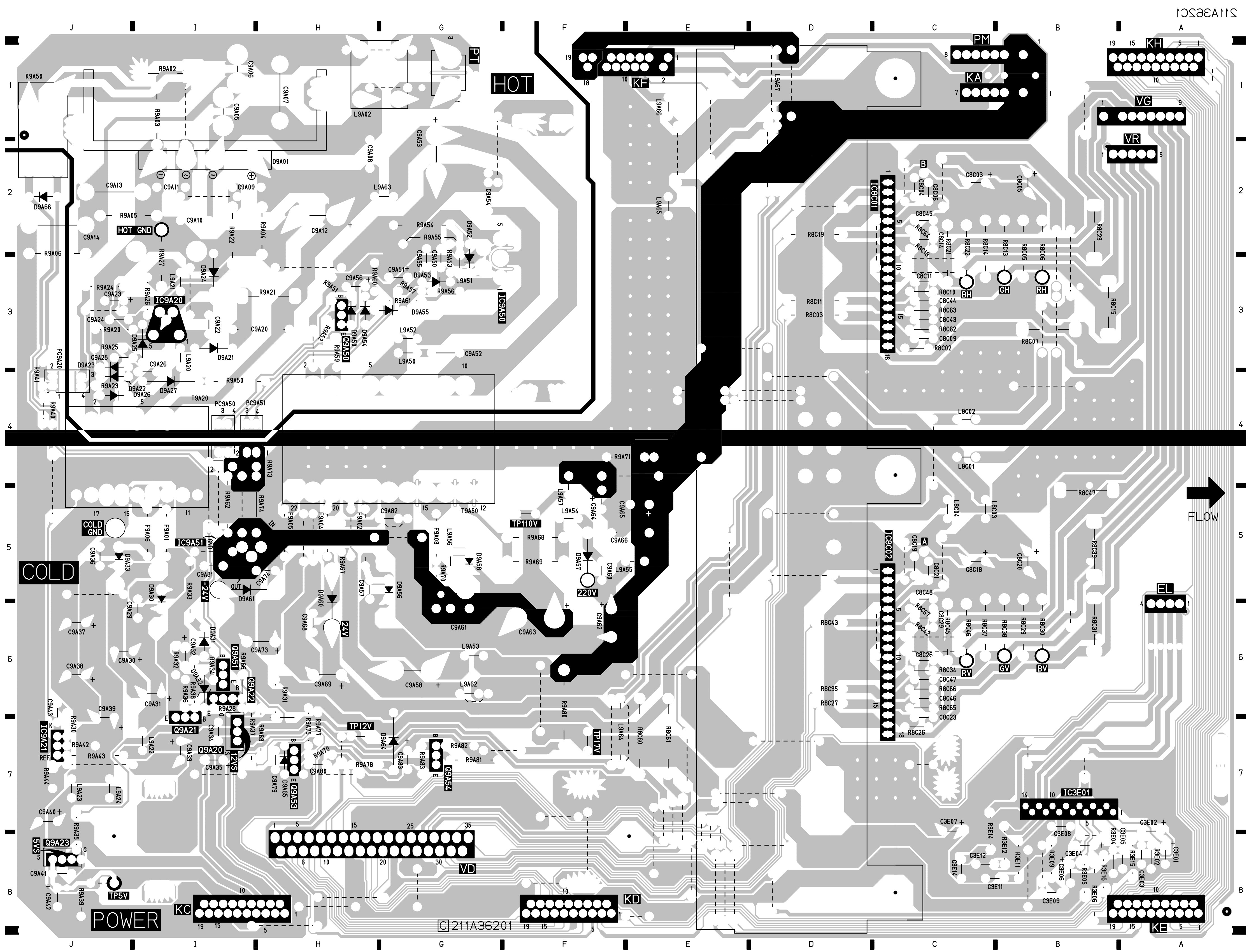
SYMBOL NO.	ADDRESS
Q2W05	J2
Q2W06	I3
Q2W07	J2
Q2W08	J2
Q2W09	J3
Q2W10	J2
Q2W11	J2
Q2W12	J3
Q2Y04	C5
Q2Y05	C5
Q2Y06	B5
Q2Y07	B6
Q2Y08	A5
Q2Y09	B6
Q6P01	F2
Q6P02	F2
Q6P03	F2
Q7A02	A1
Q7B03	I7
Q7B04	H8
Q7B05	G8
Q7B06	G7
Q7B09	I5
Q7B10	I4
Q7B11	I5
Q7B72	J7
Q7C05	H7
Q7S01	C2
Q7S02	C3
TP11A	D3
TP11B	C1
TP12A	C3
TP2V37	J2
TP2V39	J2
TP2V65	F2
TP2V66	G3
TP2V67	F2
TP2V68	G3
TP2V69	G3
TP2X01	D5
TP2X02	D5
TP2X03	D5
TP2X04	D5
TU1A01	B3
TU1B01	B1
X3A01	D3
X6P26	F3
X7A01	J6



PCB-SIGNAL

SYMBOL NO.	ADDRESS
D2W03	A4
D2W04	A4
D7C03	H5
D7C04	H5
D7C06	G6
D7C07	G6
IC2X06	F5
IC2Y01	D5
IC2Y02	D5
IC3A01	E2
IC6M90	G2
IC6P90	G2
IC7C06	D8
IC9C01	A8
IC9C02	E8
IC9C05	I2
L1A06	C3
L1A07	C3
L1A13	DE
L1B07	C1
L1B08	C1
L1B13	D1
L2W02	J3
L2W03	J3
L2W04	I3
L2W76	G2
L2X01	D6
L2X04	F3
L2Y03	C5
L2Y04	A4
L2Y06	C5
L2Y07	B5
L3A37	C3
L6M01	F1
L7A32	I6
L7A41	I7
L7A77	I6
L7B28	G8
L7B41	H7
L7C01	J5
L7C02	J7
L7C11	J5
PJ7A00	A3
PJ7A01	A3
PJ7A02	A2
Q2V59	I2
Q2V76	G3
Q2V77	J3
Q2W12	G3
Q2X01	F6
Q2X05	G3
Q2X06	F3
Q2X07	G3
Q2X08	F5
Q2Y01	D4
Q2Y02	C4

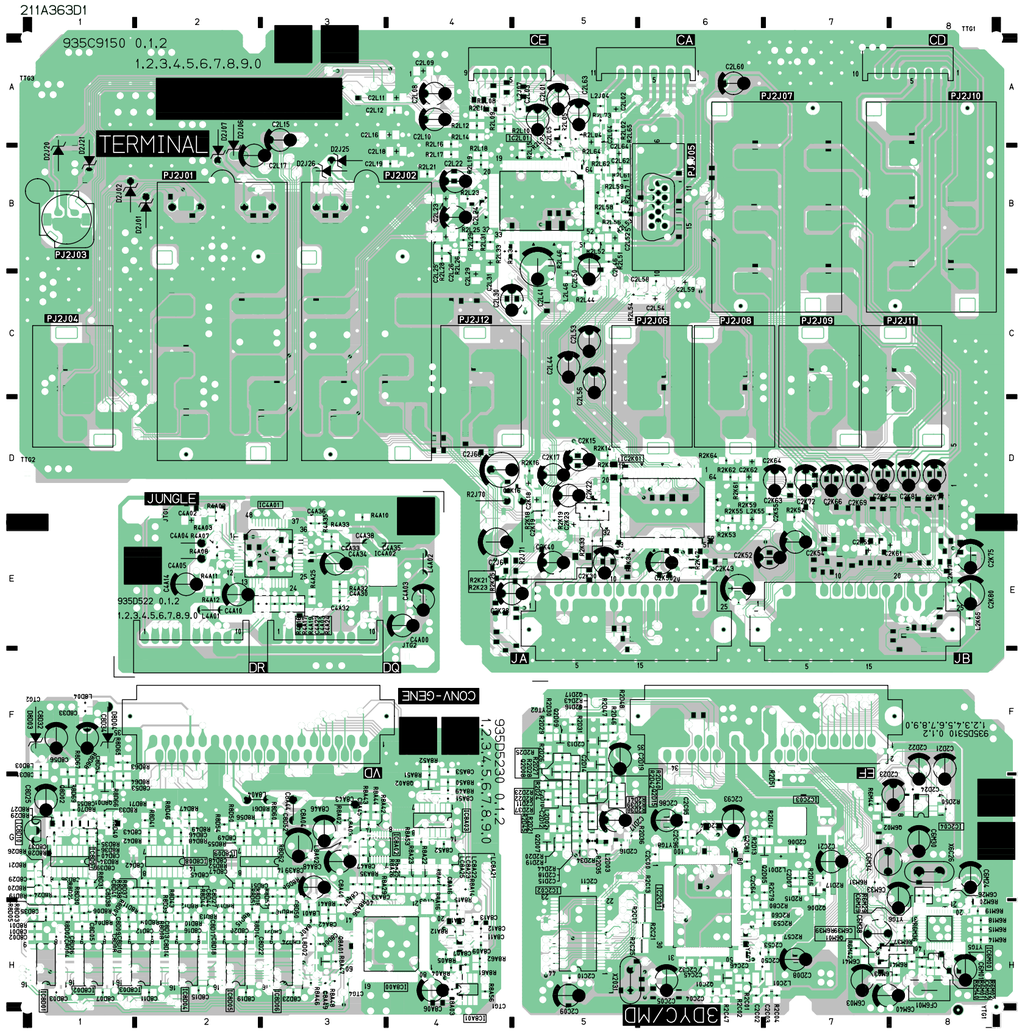
SYMBOL NO.	ADDRESS
Q2Y03	D4
Q3A01	C3
Q3A02	C2
Q6M04	G1
Q6P04	G1
Q7A01	B1
Q7A02	A1
Q7B01	G6
Q7B02	G7
Q7B10	I4
Q7B62	J7
Q7C01	J7
Q7C02	J7
Q7C03	H7
Q7C04	H7
TP2B35	J2
TP2V28	I3
TP2V29	I3
TP2V49	H2
TP2V51	H1
TP2V78	G3
TP7A01	F6
TP7A02	F6
TP7A03	F6
TP7A04	D6
TP7A05	D6
TP7A06	D6
TP7A07	D6
TP7A08	D6
TP7A09	D6
TU1A01	B3
TU1B01	B1
X3A01	D3
X6P26	F3
X7A01	J6



PCB-POWER

SYMBOL NO.	ADDRESS
D9A01	I2
D9A21	I3
D9A22	J4
D9A23	J3
D9A24	I3
D9A25	I3
D9A26	J4
D9A27	I4
D9A30	I5
D9A31	I6
D9A32	I6
D9A33	J5
D9A50	H3
D9A52	G3
D9A53	G3
D9A54	H3
D9A55	G3
D9A56	G5
D9A57	F5
D9A58	G6
D9A60	H5
D9A61	I5
D9A64	G7
D9A65	H7
D9A66	J2
F9A01	I5
F9A02	H5
F9A04	H5
F9A05	H5
F9A06	I5
IC3E01	B7
IC8C01	C2
IC8C02	C5
IC9A20	I3
IC9A21	J7
IC9A50	G3
IC9A51	I5
K9A50	J1
L8C01	C4
L8C02	C4
L8C03	C5
L8C04	C5
L9A02	H1
L9A20	I3
L9A21	I3
L9A22	I7
L9A23	J7
L9A24	G3
L9A50	J7
L9A52	G3
L9A53	G6
L9A54	F5
L9A55	F5
L9A57	F5
L9A62	G6
L9A63	G2

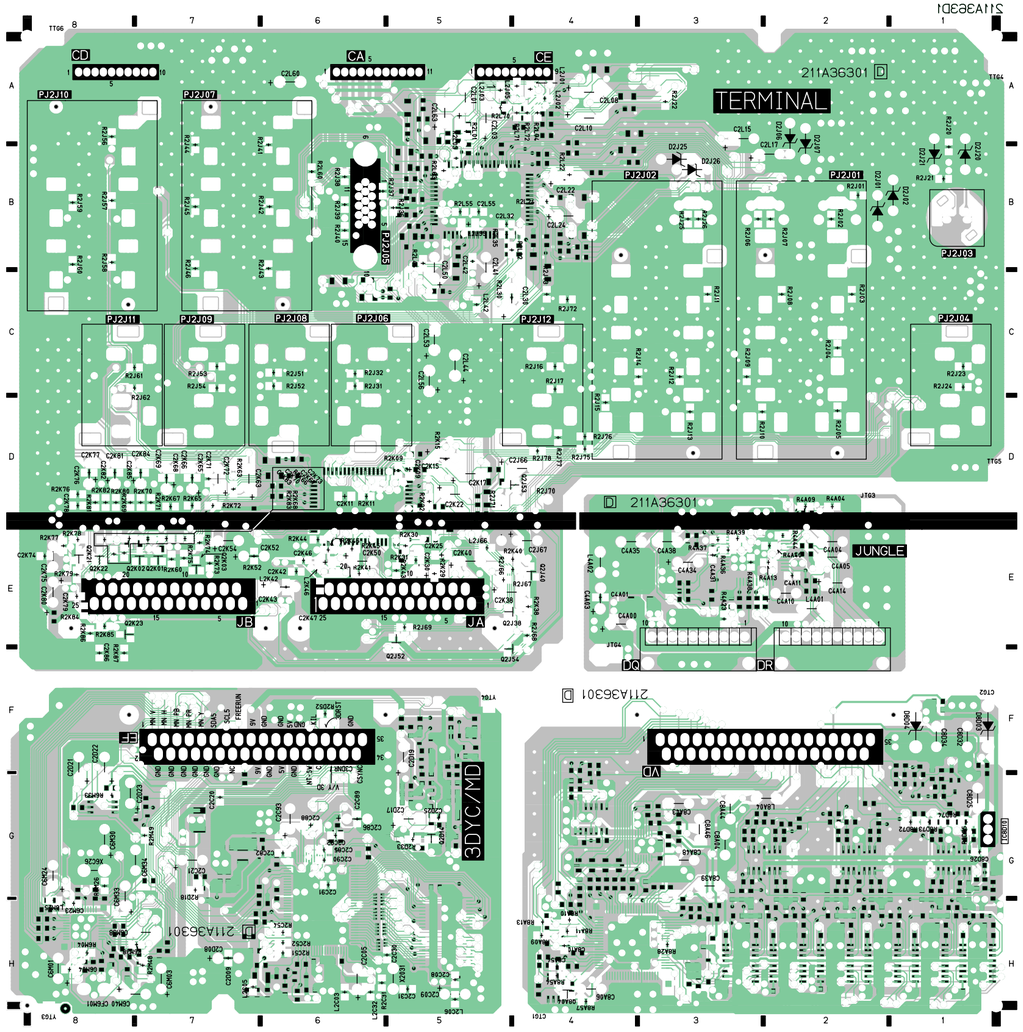
SYMBOL NO.	ADDRESS
L9A64	F7
L9A65	E2
L9A66	E1
L9A67	D1
PC9A20	A4
PC9A50	I4
PC9A51	I4
Q9A20	I7
Q9A21	I6
Q9A22	I6
Q9A23	J8
Q9A50	H3
Q9A51	I6
Q9A53	H7
Q9A54	G7
T9A20	J4
T9A50	I4
TP110V	F5
TP12V	H7
TP17V	F7
TP5V	J8



PCB-TERMINAL / CONV GEN / 3DYC / JUNGLE

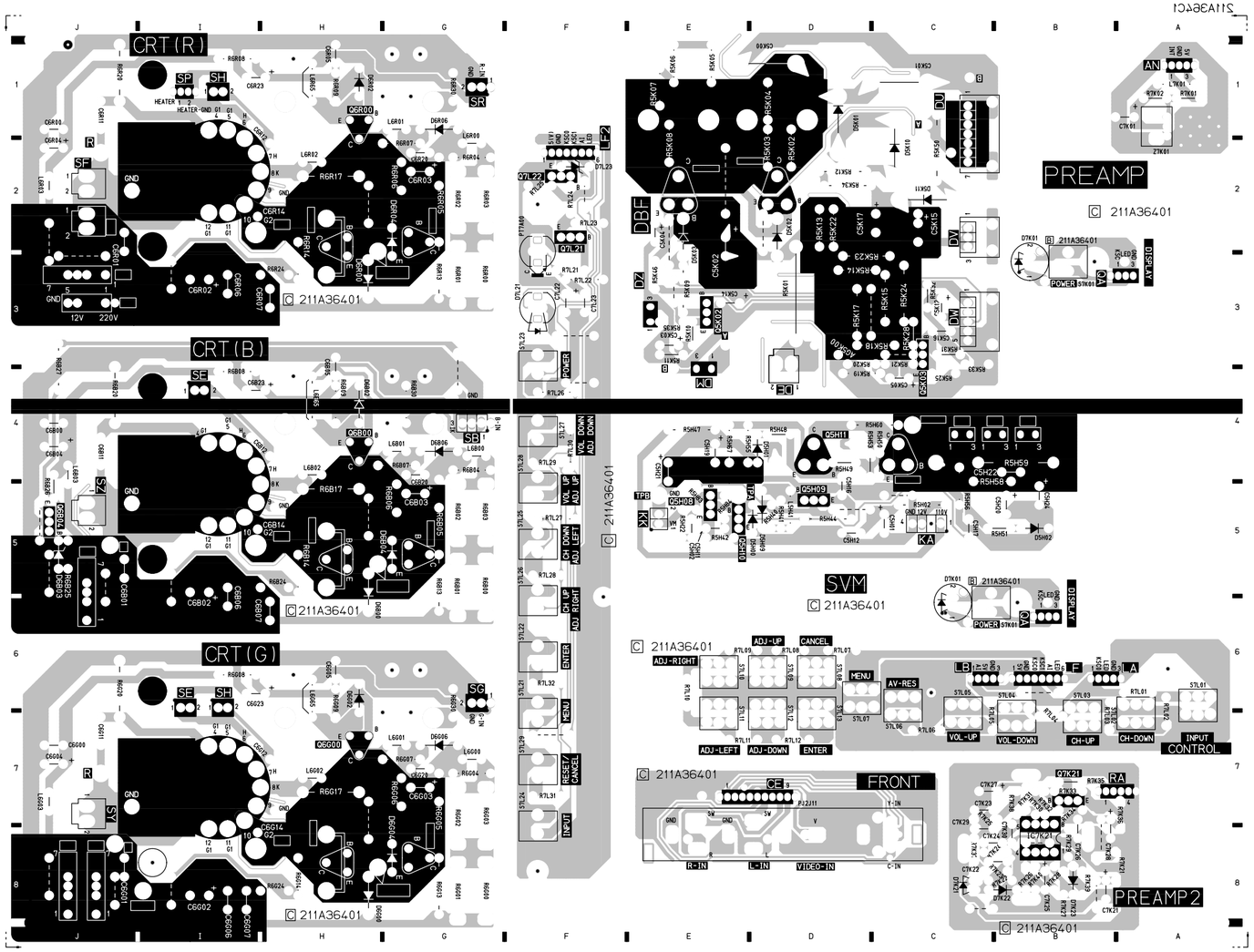
SYMBOL NO.	ADDRESS
CF6M01	H8
D2J01	B2
D2J02	B1
D2J05	B3
D2J06	B2
D2J07	B2
D2J20	B1
D2J21	B1
D2J25	B3
D8I003	G1
D8I004	G1
IC2C01	H6
IC2C02	H5
IC2C03	G7
IC2C04	G8
IC2K01	D6
IC2L01	B5
IC4A01	E3
IC4A02	E3
IC6M00	H8
IC8A00	H4
IC8A01	H4
IC8A02	G3
IC8A03	G4
IC8A03	G4
IC8D01	H1
IC8D02	H1
IC8D03	H2
IC8D04	H2
IC8D05	H2
IC8D06	H3
IC8D07	G1
IC8D08	G2
IC8D09	G2
IC8D10	G1
L2C01	H7
L2D01	G7
L2D02	G5
L2D03	G5
L2J04	A5
L2J07	A5
L2J46	C5
L2K55	D6
L2K65	E8
L2K77	E8
L4A02	E4
L6M03	H8
L8A00	H3
L8A01	G3
L8A04	H3
L8D02	H3
L8D04	G1
L8D09	G1
LC8A21	G4
LC8A22	G4
LC8A23	G4

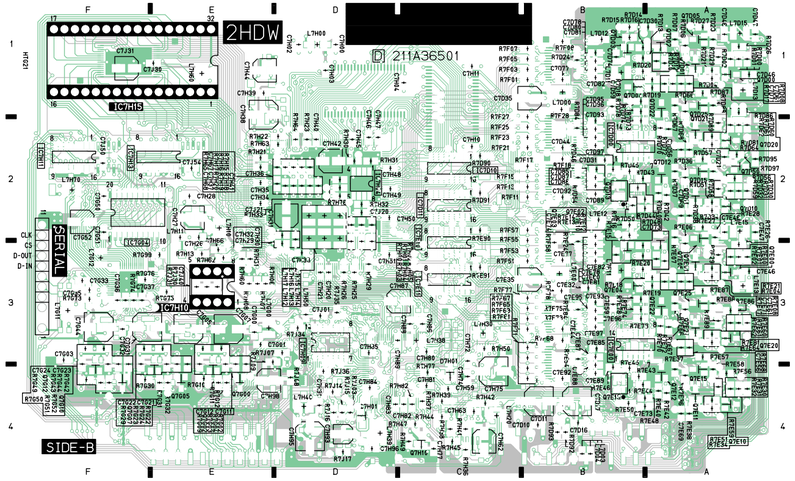
SYMBOL NO.	ADDRESS
LC8A25	G4
P.2J01	B2
P.2J02	B4
P.2J03	B1
P.2J04	C1
P.2J05	B6
P.2J06	C6
P.2J07	A7
P.2J08	C6
P.2J09	C7
P.2J10	A8
P.2J11	C8
P.2J12	C4
Q2C01	H6
Q2C05	G7
Q2C06	G7
Q2C07	G5
Q2C08	F5
Q2C09	F5
Q2C15	G5
Q2C16	F5
Q2C17	F5
Q6M01	H7
Q6M02	G7
Q8A01	H3
Q8A02	G4
Q8D01	G1
Q8D02	G1
X2C01	H5
X6C26	G8



PCB-TERMINAL / CONV GEN / 3DYC / JUNGLE

SYMBOL NO.	ADDRESS
CF6M01	H8
D2J06	A2
D2J07	A2
D2J25	B3
D2J26	D3
D8D03	F1
D8D04	F1
DJ2J01	B2
DJ2J20	B1
DJ2J21	B1
IC8D10	G1
L2D03	H6
L2D05	H7
L2D06	H5
L2C32	H6
L2J01	A4
L2J02	A4
L2J03	A5
L2J66	E5
L2K42	E6
L2K46	E6
L2L42	C5
L2L55	B5
L4A01	E2
L4A02	E4
L8M25	H8
L8A04	G2
PJ2J01	B2
PJ2J02	B4
PJ2J03	B1
PJ2J04	C1
PJ2J05	B6
PJ2J06	C6
PJ2J07	A7
PJ2J08	C6
PJ2J09	C7
PJ2J10	A8
PJ2J11	C8
PJ2J12	C4
Q2D14	G5
Q2J08	E5
Q2J40	E4
Q2J52	E5
Q2J53	D5
Q2J54	E5
Q2K01	E7
Q2K02	E7
Q2K03	E7
Q2K21	E8
Q2K22	E8
Q2K23	E8
Q8A04	H4
X2D31	H5


CRT (R)
CRT (B)
CRT (G)
DBF
SVM
PREAMP
PREAMP2
FRONT
DISPLAY
211A36401
12V
220V
POWER
ADJ-UP
ADJ-RIGHT
ADJ-LEFT
ADJ-DOWN
ENTER
CANCEL
MENU
AV-RES
VOL-UP
VOL-DOWN
CH-UP
CH-DOWN
INPUT CONTROL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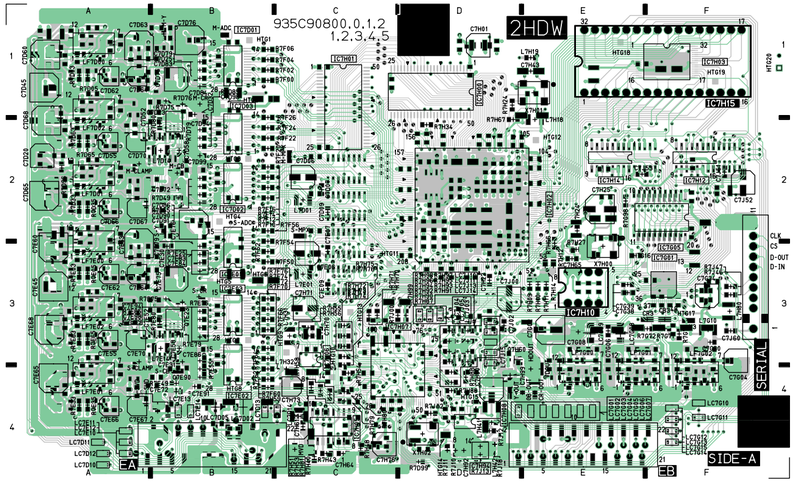
CLK
CS
D-OUT
D-IN
SIDE-B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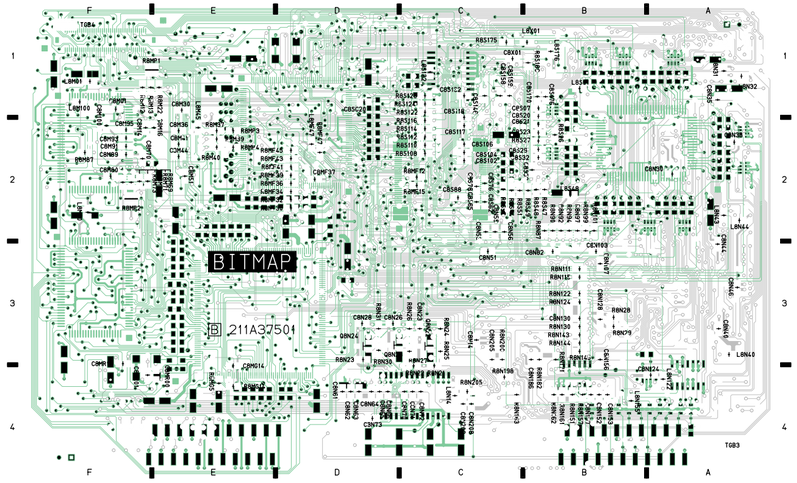
CS
D-OUT
D-IN
SIDE-A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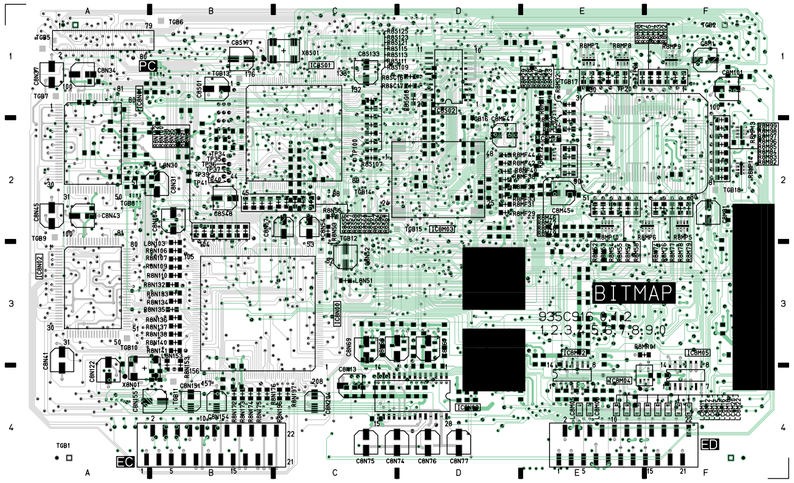
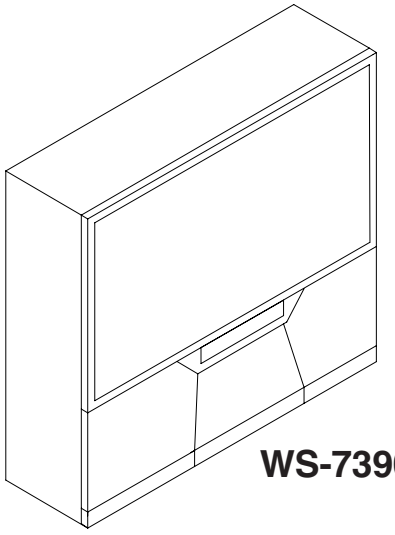

BITMAP

2000

MITSUBISHI ELECTRIC

Service Manual



WS-73907

PROJECTION TELEVISION
V17 / V17+ / V17++ CHASSIS

V17 MODELS	V17+ MODELS	V17++ MODELS
WT-46807	WS-55857	WS-55907
WS-55807	WS-65857	WS-65907
WS-65807		WS-73907

CAUTION:
Before servicing this chassis, it is important that the service person read the "SAFETY PRECAUTIONS" and "PRODUCT SAFETY NOTICE" contained in this manual.

PART 2
SCHEMATIC DIAGRAMS

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Overall PCB Block Diagram 1
PCB-POWER 2
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PCB-SIGNAL (AV/I-O) 4
PCB-SIGNAL (MICRO) 5
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PCB-3DYC/MAIN DECODER 12
PCBs - CRT/CONTROL/PREAMP/DBF/ FRONT/DISPLAY 13
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Refer to PART 1 for:

- Specifications
- Safety Precautions
- Disassembly
- CRT Replacement
- Electrical Adjustments
- Parts List
- Block Diagrams

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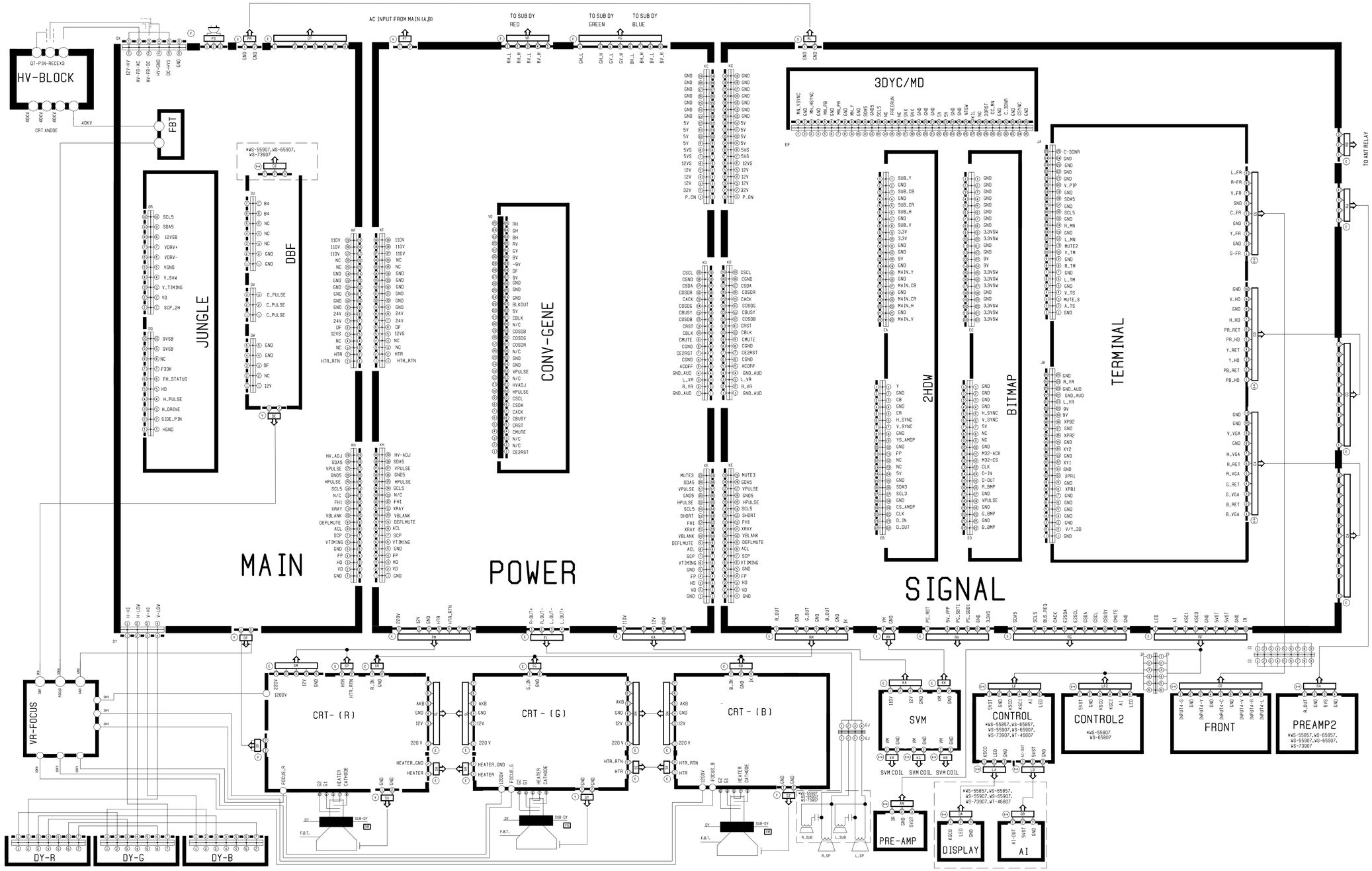

× NOTES

1. DC voltages were measured from points indicated to the circuit ground with a high-Z voltmeter.
2. Waveforms were taken with standard color bar signal
3. TP13,etc.show Test Points
4. CAPACITORS

Value	Not indicated	[PF, for numbers more than 1 μF, for numbers less than 1]
Dielectric Strength	Not indicated ÷50V	
Tolerance	Not indicated = ±10×	[No tolerance is indicated for electrolytic capacitors and ± 20×]
	G = ±2× J = ±5× K = ±10× M = ±20×	P = +100× -0× -20× Q = +30× -10× Z = +80× -20× C = ±0.25PF D = ±0.5PF T = +200× -0× F = ±1PF D = ±2PF
Type	I Parts for chips except	Not indicated ÷Ceramic capacitor (MF) ÷Polyester capacitor (PP) ÷Polypropylene film capacitor (ALM) ÷Aluminus electrolytic capacitor (TF) ÷Twin film capacitor (SC) ÷Semiconductor Ceramic capacitor (MP) ÷Metalized paper (MPF) ÷Metalized plastic film capacitor (MMF) ÷Metalized polyester capacitor (MF,PP) ÷Polyester polypropylene film capacitor (PS) ÷Styrol capacitor (TAN) or (TANT) ÷Tantalum capacitor ÷Electrolytic capacitor (NP) ÷Non polarized electrolytic capacitor
	II Chips	Not indicated ÷Ceramic capacitor chip ÷Electrolytic capacitor (NP) ÷Non polarized electrolytic capacitor chip
Characteristic (only ceramic capacitor)	Not indicated CH,SL,etc.	÷F or B (high dielectric percentage) ÷Temperature compensating types

5. RESISTORS

Value	Not indicated = Ohm K = 1,000 Ohm M = 1,000,000 Ohm	
Wattage	Parts except for chips	Not indicated = 1/4W or 1/6W
	Chips	Not indicated = 1/10W
Tolerance	Not indicated = ±5% D = ±0.5% J = ±5% F = ±1% K = ±10%	
Type	I Parts for chips except	Not indicated ÷Carbon resistor (S) ÷Fixed composition resistor (MG) ÷Metal oxide film resistor (type B) (CE) ÷Cemented resistor (W) ÷Wire wound resistor (M) ÷Metal film resistor (MPC) ÷Metal plate cement resistor (ML) ÷Metal liner resistor
	II Chip	Not indicated ÷Chip resistor

6. This is a basic schematic diagram.Some sets may be subject to modification according to engineering improvement.

SHADED COMPONENTS HAVE SPECIAL CHARACTERISTICS IMPORTANT TO SAFETY. BEFORE REPLACING ANY OF THESE COMPONENTS READ CAREFULLY THE PRODUCT SAFETY NOTICE IN THE SERVICE MANUAL. DON'T DEGRADE THE SAFETY OF THE RECEIVERS THROUGH IMPROPER SERVICING.

SERVICE TECHNICIAN WARNING:
X-RADIATION PRECAUTION
THIS PRODUCT INCLUDES CRITICAL ELECTRICAL AND MECHANICAL PARTS ESSENTIAL FOR X-RADIATION PROTECTION.
TO AVOID POSSIBLE EXPOSURE TO X-RADIATION TAKE X-RADIATION PROTECTIVE MEASURES FOR PERSONNEL DURING SERVICING.
SEE SERVICE INSTRUCTIONS FOR SPECIFIED REPLACEMENT PARTS AND SERVICE ADJUSTMENTS.

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PG.6	SIGNAL-2 (MICRO)	WS-65907
PG.7	SIGNAL-3 (VC/SW)	WS-73907
PG.8	3DYC	
PG.9	CONV.GEN./.JUNGLE	
PG.10	CRT/CONTROL/AI/SVM/DBF	
PG.11	2HDW-1	
PG.12	2HDW-2	
PG.13	2HDW-3	
PG.14	BITMAP-1	PAGE S-1
PG.15	BITMAP-2	

LIVE COLD

PCB-SIGNAL-3 KC

ICBCD1 STK392-570

ICBCD2 STK392-570

CONV-GEN

PCB-SVM KA

PCB-CRT (R) SM

PCB-MAIN KF

PCB-MAIN KH

PCB-SIGNAL-3 KD

PCB-SIGNAL-3 KE

RED/V

GREEN/BLUE/DY

SPEAKERS

CONTENTS

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PG.12	2HDW-2	
PG.13	2HDW-3	
PG.14	BITMAP-1	
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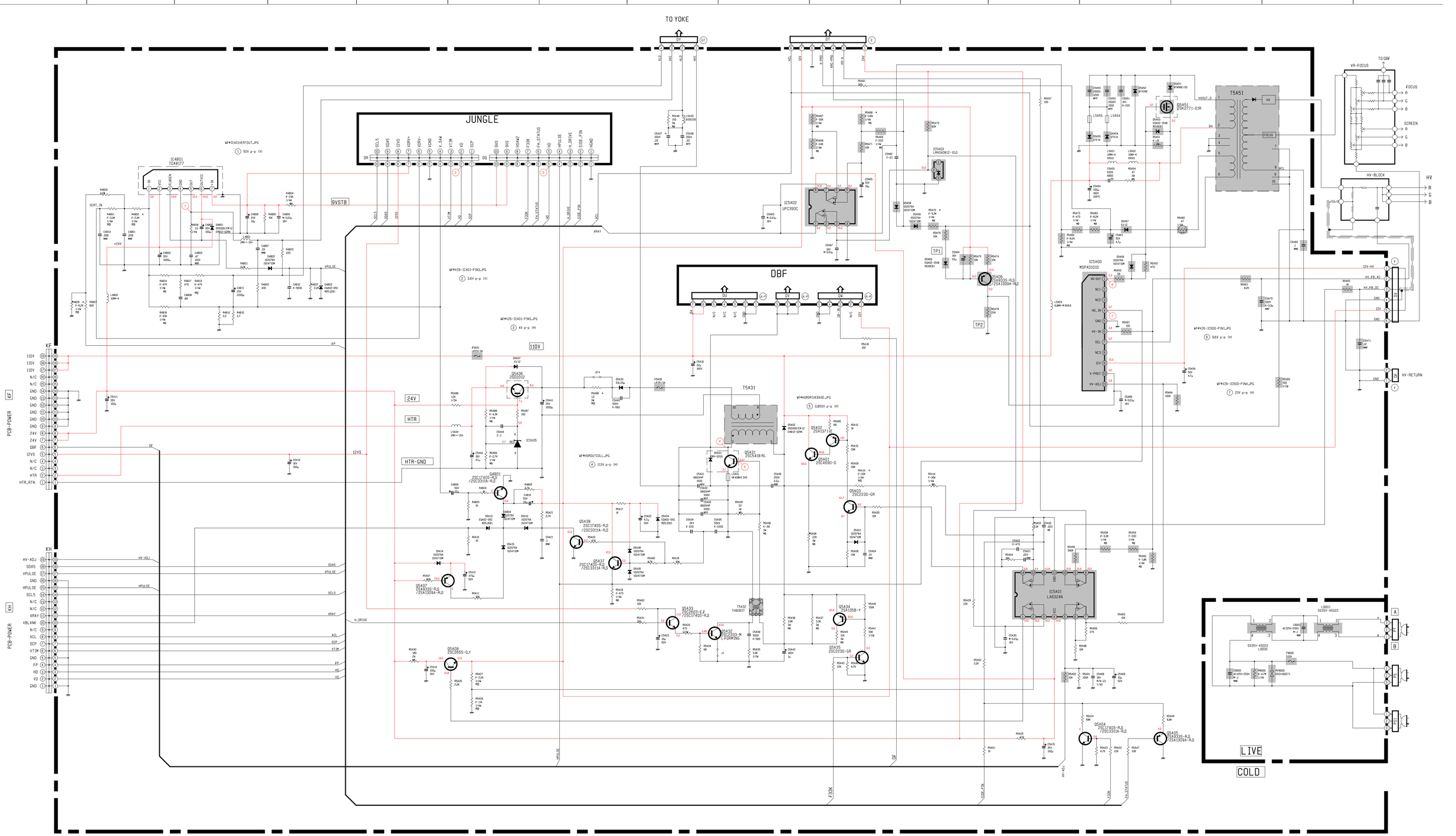

MODELS	C5A37×	R5A68×	R5A70×	R5A13×	R5A98×	J2×	R4B02×	R4B28×
WT-46807	200V .39 MPP	F-3.6K	F-3K	F-33K	X	0	F-3.0K	F-7.5K
55",65"	200V .33 MPP	F-3.6K	F-3K	F-39K	3W .82-J	X	F-2.4K	F-6.2K
WS-73907	200V .33 MPP	F-2.4K	F-2.4K	F-39K	3W 1.2-J	X	F-2.4K	F-6.2K

CONTENTS — WS-55807
PG.1 BLOCK DIAGRAM — WS-65807
PG.2 MAIN — WT-46807
PG.3 POWER — WS-55857
PG.4 TERMINAL — WS-65857
PG.5 SIGNAL-1 (AV I/O) — WS-55907
PG.6 SIGNAL-2 (MICRO) — WS-65907
PG.7 SIGNAL-3 (VC/SW) — WS-73907
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PG.13 2HDW-3
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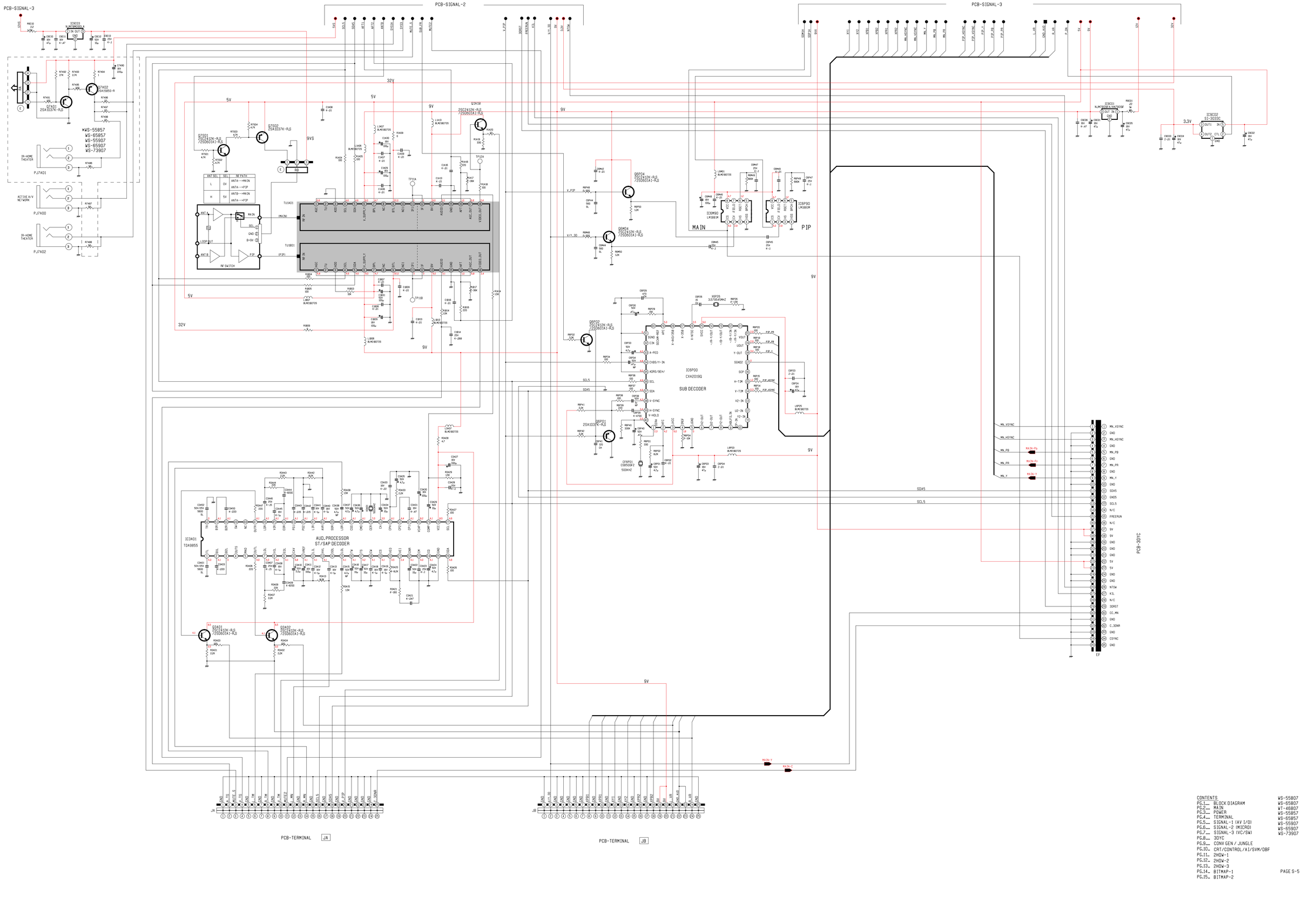

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PG.12	2HDW-2	
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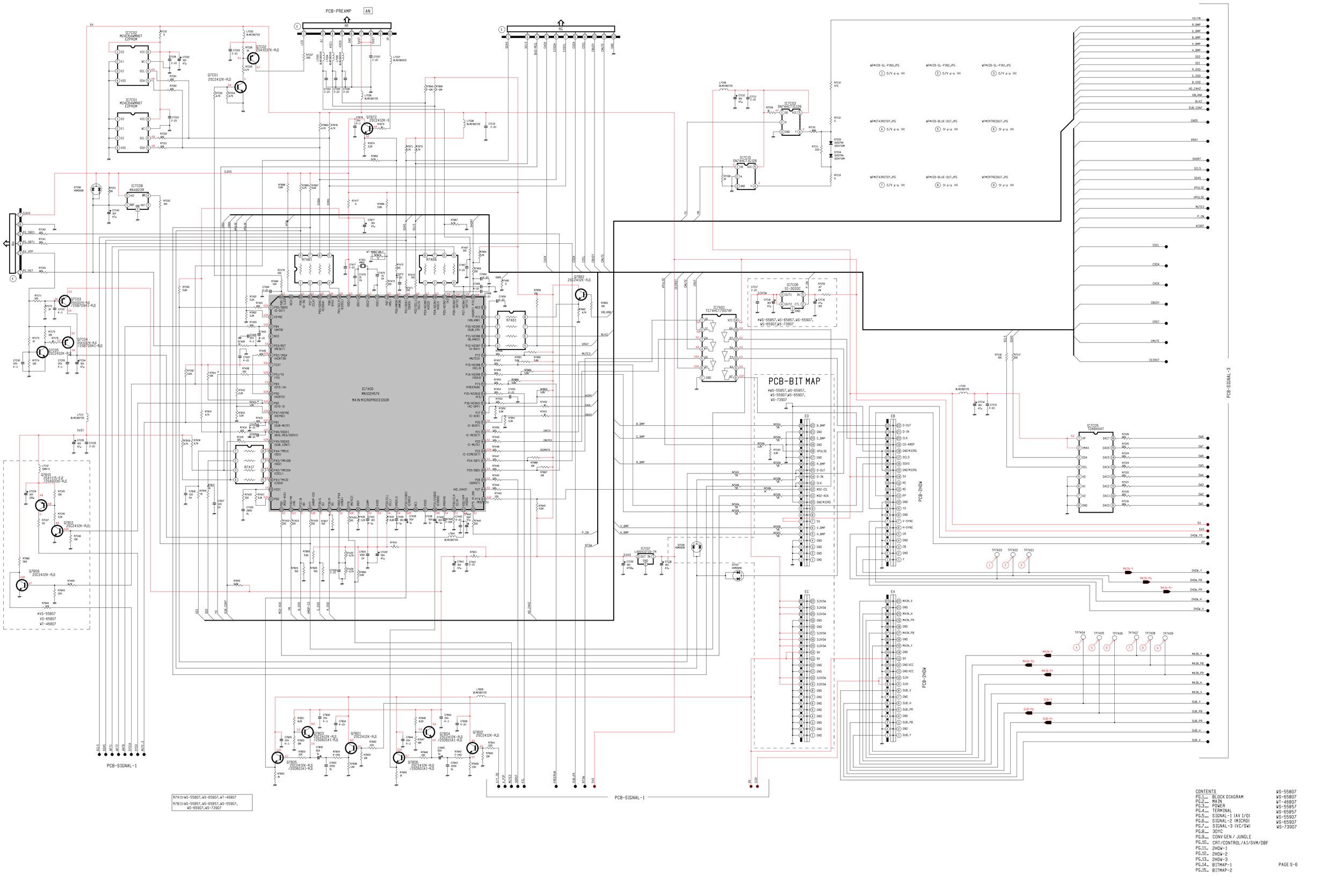
PCB-PREAMP
AN
RF
RG
IC7C02 M24C64-WMNBT E2PROM
IC7C01 M24C64-WMNBT E2PROM
Q7C01 2SC2412K-RLS
Q7C02 2SA1037K-R/S
IC7C08 MAX823R
IC7A00 MN102H57K MAIN MICROPROCESSOR
Q7B72 2SC2412K-S
Q7B62 2SC2412K-RLS
IC7A01 TC74HCT7007AF
IC7C06 S1-3033C
IC7C09 SN74HCT1G126
IC7C10 SN74HCT1G126
IC7C05 TD4884AFT
Q7C03 2SA1037K-R/S 2SB709AT-RLS
Q7C04 2SA1037K-R/S 2SB709AT-RLS
Q7C05 2SC2412K-RLS
Q7809 2SC2412K-RLS
Q7810 2SA1115-E/F /2SA933S-RLS
Q7811 2SC2412K-RLS
Q7803 2SC2412K-R/S /2SD601A1-RLS
Q7801 2SC2412K-RLS
Q7804 2SC2412K-R/S /2SD601A1-RLS
Q7802 2SC2412K-RLS
Q7805 2SC2412K-R/S /2SD601A1-RLS
Q7806 2SC2412K-R/S /2SD601A1-RLS
WT-46807,2NLY
WS-55857,WS-65857,WS-55907, WS-65907,WS-73907
PCB-BIT MAP
WS-55857,WS-65857, WS-55907,WS-65907, WS-73907
ED
EB
EC
EA
PCB-2HDW
PCB-SIGNAL-1
PCB-SIGNAL-2
PCB-SIGNAL-3
R7A11:WS-55807,WS-65807,WT-46807
R7B11:WS-55857,WS-65857,WS-55907, WS-65907,WS-73907
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PG.7 SIGNAL-3 (VC/SW) WS-73907
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PG.13 2HDW-3
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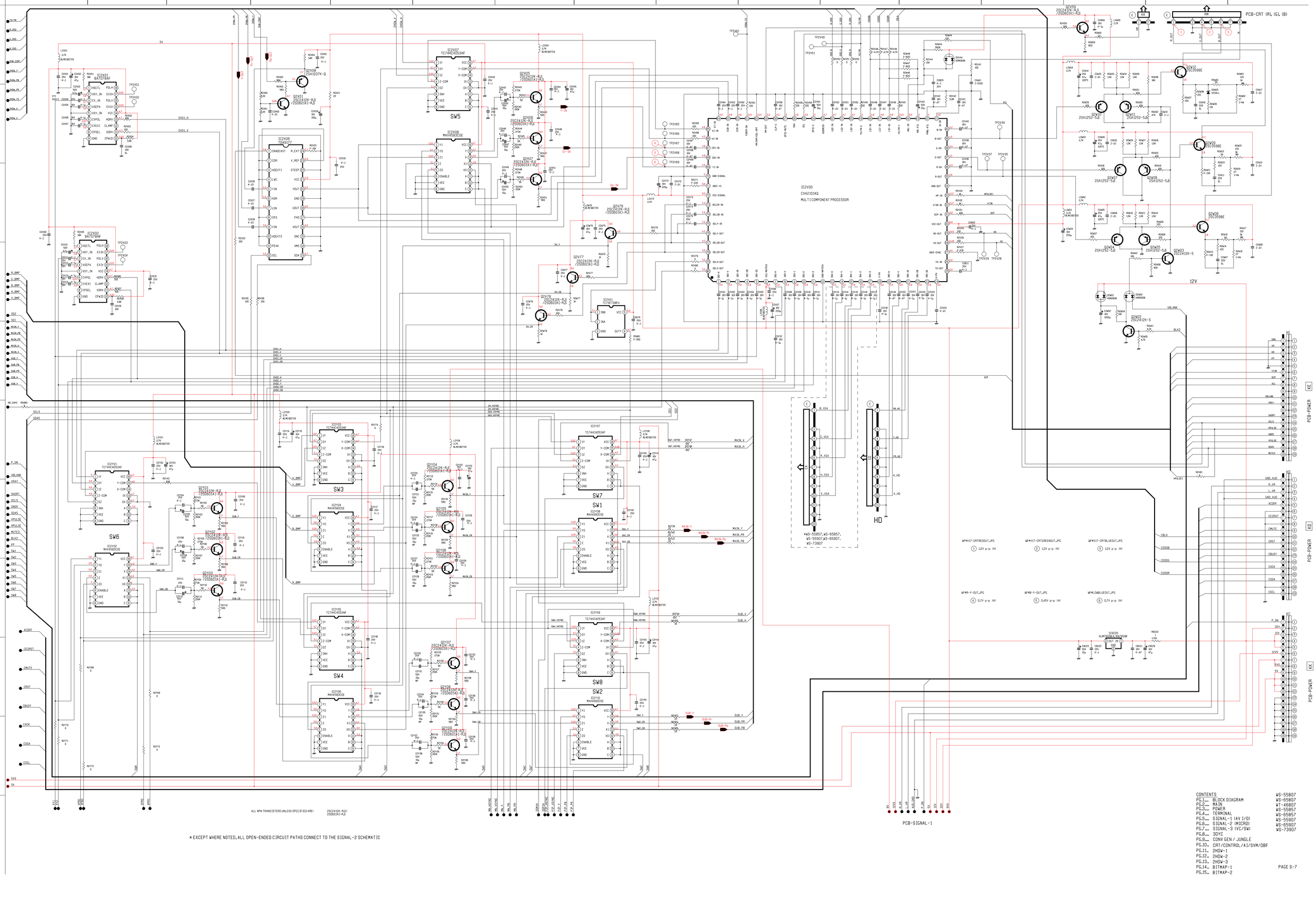

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PCB-SIGNAL-2

EA

EA

SHD

SVD

MVD

SUB-Y

SUB-CB

SUB-CR

SUB-H

3.3V

5V

MAIN-Y

MAIN-CB

MAIN-CR

MAIN-H

M-Y

M-CB

M-CR

S-Y

S-CB

S-CR

M-CLAMP

M-ADC

M-MPX

M-MPXCLK

M-ADCLK

M-CLP

S-ADC

S-MPX

S-CLAMP

ADS931E

IC74AC157FN

IC74HC4066AFN

IMZ1

LF7000 14MHZ SMD

LF7001 14MHZ SMD

LF7002 14MHZ SMD

LF7E00 14MHZ SMD

LF7E01 14MHZ SMD

LF7E02 14MHZ SMD

2SA1037K-Q

2SC2413K-Q

ELAS103FA

BLM21A121S

× ALL OPEN-ENDED CIRCUIT PATHS CONNECT TO THE 2HDW-2 SCHEMATIC

CONTENTS

PG.1	BLOCK DIAGRAM	WS-55807
PG.2	MAIN	WS-55807
PG.3	POWER	WT-46807
PG.4	TERMINAL	WS-55857
PG.5	SIGNAL-1 (AV I/O)	WS-55957
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PG.8	3DYC	WS-73907
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PG.12	2HDW-2	
PG.13	2HDW-3	
PG.14	BITMAP-1	PAGE S-11
PG.15	BITMAP-2	

IC7H02
TMX57127

IC7H07
SLA4028F3N

IC7H00
MSM56V16160-10TS-K

IC7H01
MSM56V16160-10TS-K

IC7H03
MSM534031E

IC7H04
MS1795/18FP

IC7H05
TC74HC221AF

IC7H06
TLC2932IPW

IC7H08
TLC2932IPW

IC7H09
TC74HCT7007AF

IC7H11
TC74AC157FN

IC7H12
TC74AC157FN

IC7H13
TC74AC157FN

IC7H14
TC74AC157FN

Q7H1D
2SC2412K-Q

Q7H6D
2SC2412K-Q

X7HD1
12007519Y
32.000MHz

CONTENTS

PG.1	BLOCK DIAGRAM	WS-55807
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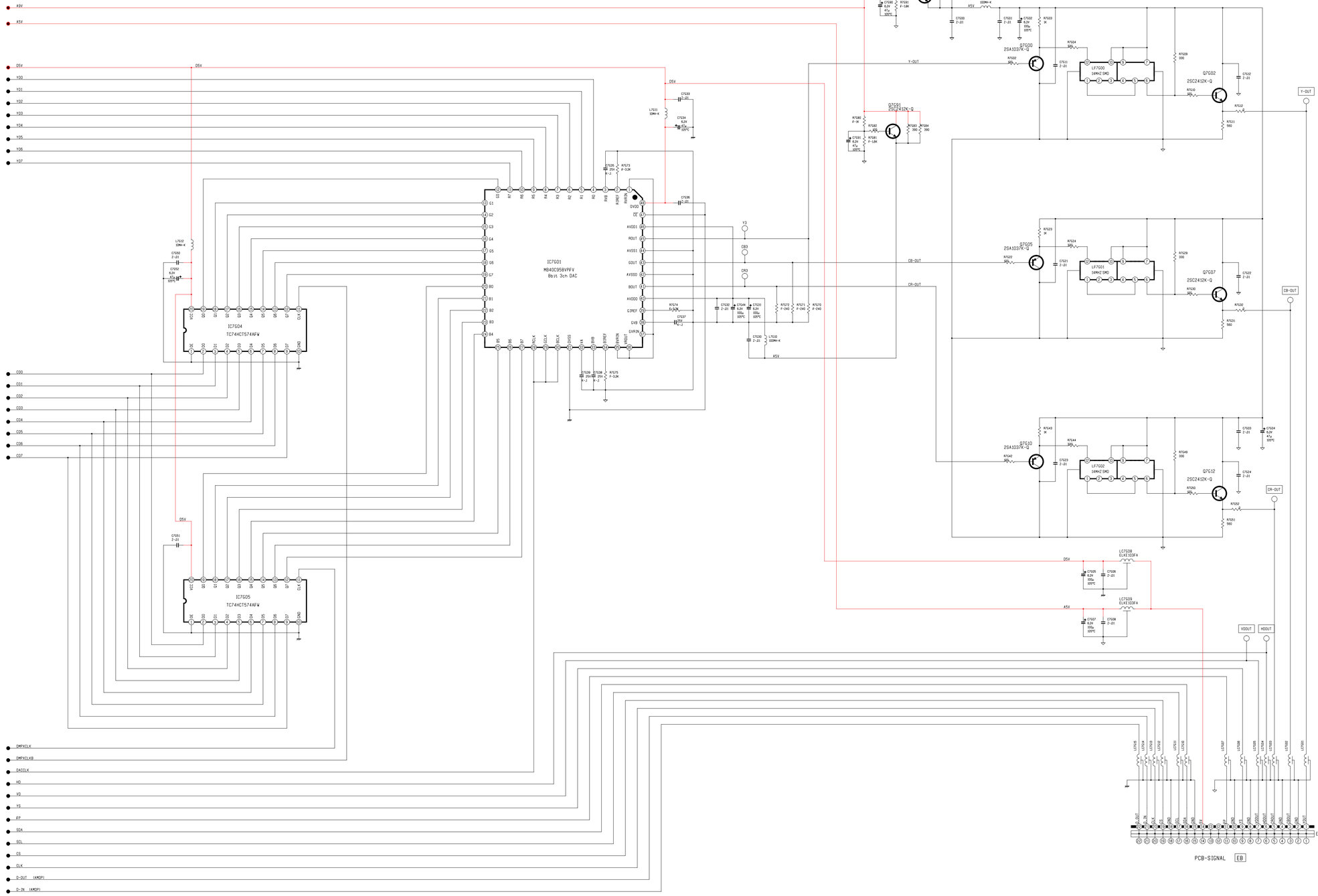
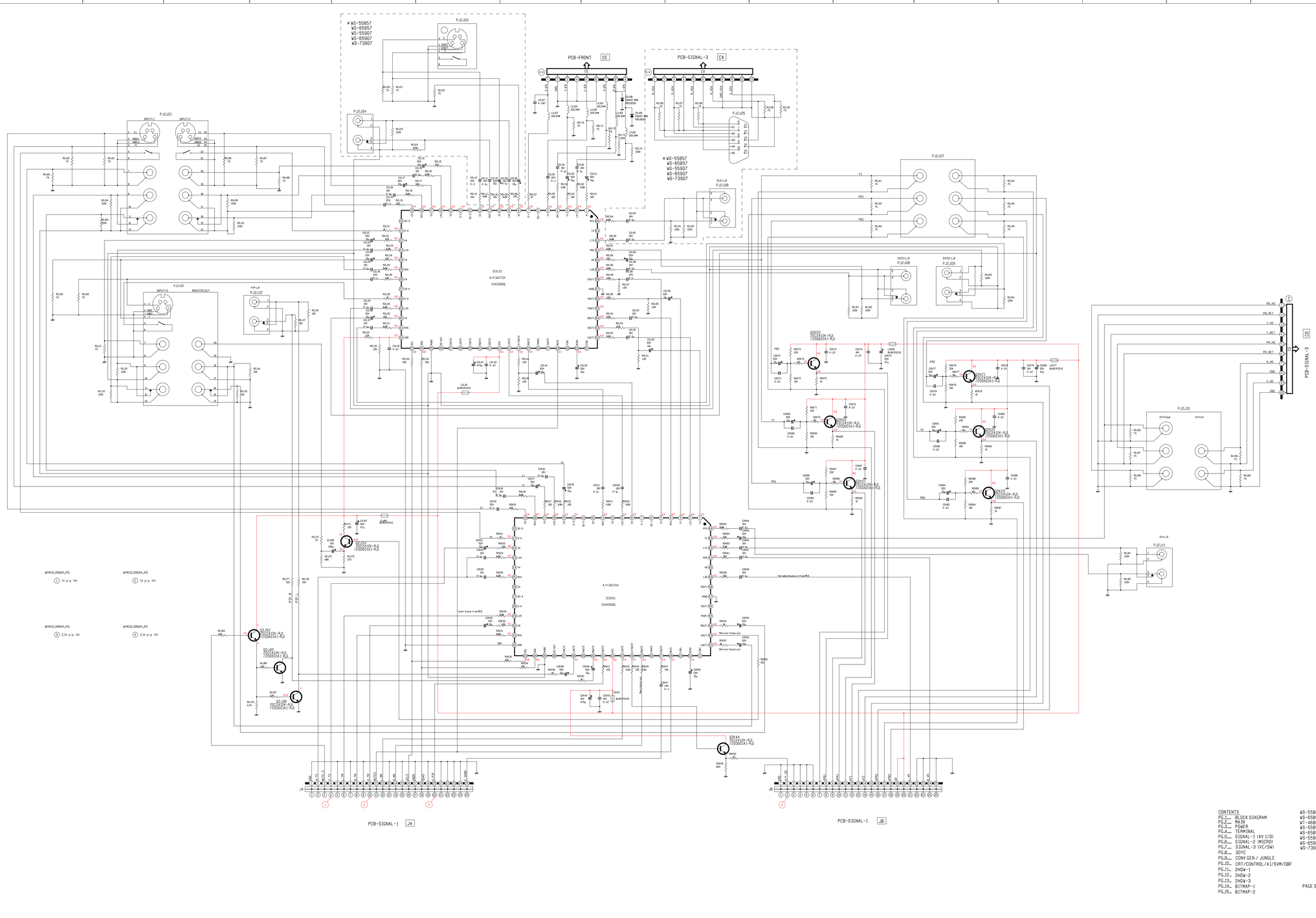
PG.8	3DYC	
PG.9	CONV GEN / JUNGLE	
PG.10	CRT/CONTROL/A1/SVM/DBF	
PG.11	2HDW-1	
PG.12	2HDW-2	
PG.13	2HDW-3	
PG.14	BITMAP-1	PAGE S-12
PG.15	BITMAP-2	

* ALL OPEN-ENDED CIRCUIT PATHS CONNECT TO THE 2HDW-1 SCHEMATIC



× ALL OPEN-ENDED CIRCUIT PATHS CONNECT TO THE 2HDW-2 SCHEMATIC

CONTENTS		
PG.1	BLOCK DIAGRAM	WS-55807
PG.2	MAIN	WS-65807
PG.3	POWER	WT-46807
PG.4	TERMINAL	WS-55857
PG.5	SIGNAL-1 (AV I/O)	WS-65857
PG.6	SIGNAL-2 (MICRO)	WS-55907
PG.7	SIGNAL-3 (VC/SW)	WS-65907
PG.8	3DYC	WS-73907
PG.9	CONV GEN / JUNGLE	
PG.10	CRT/CONTROL/A1/SVM/DBF	
PG.11	2HDW-1	
PG.12	2HDW-2	
PG.13	2HDW-3	
PG.14	BITMAP-1	
PG.15	BITMAP-2	



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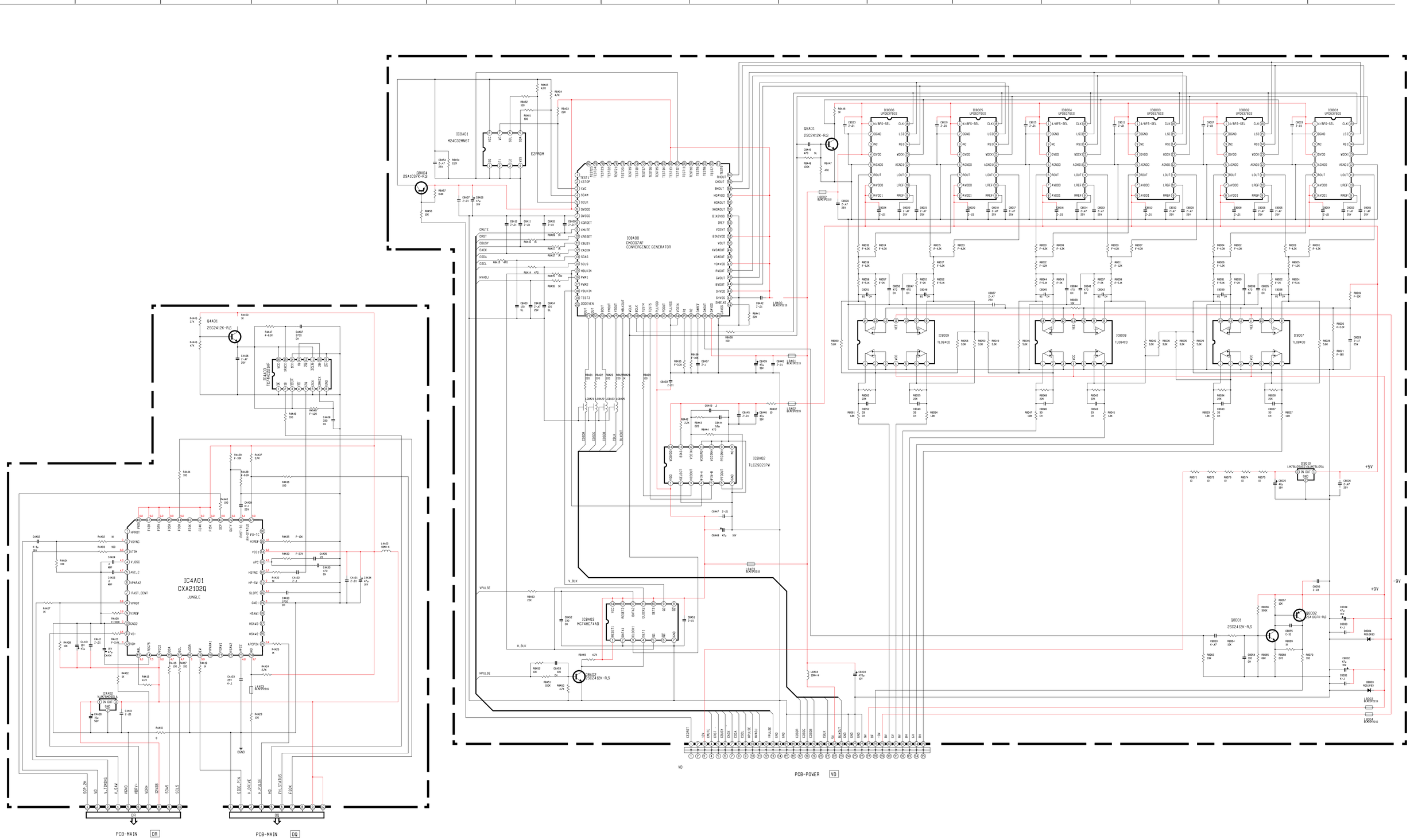
PG.10	CRT/CONTROL/A1/SVM/DBF	
PG.11	2HDW-1	
PG.12	2HDW-2	
PG.13	2HDW-3	
PG.14	BITMAP-1	PAGE S-4
PG.15	BITMAP-2	



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PG.3	POWER	WT-46807
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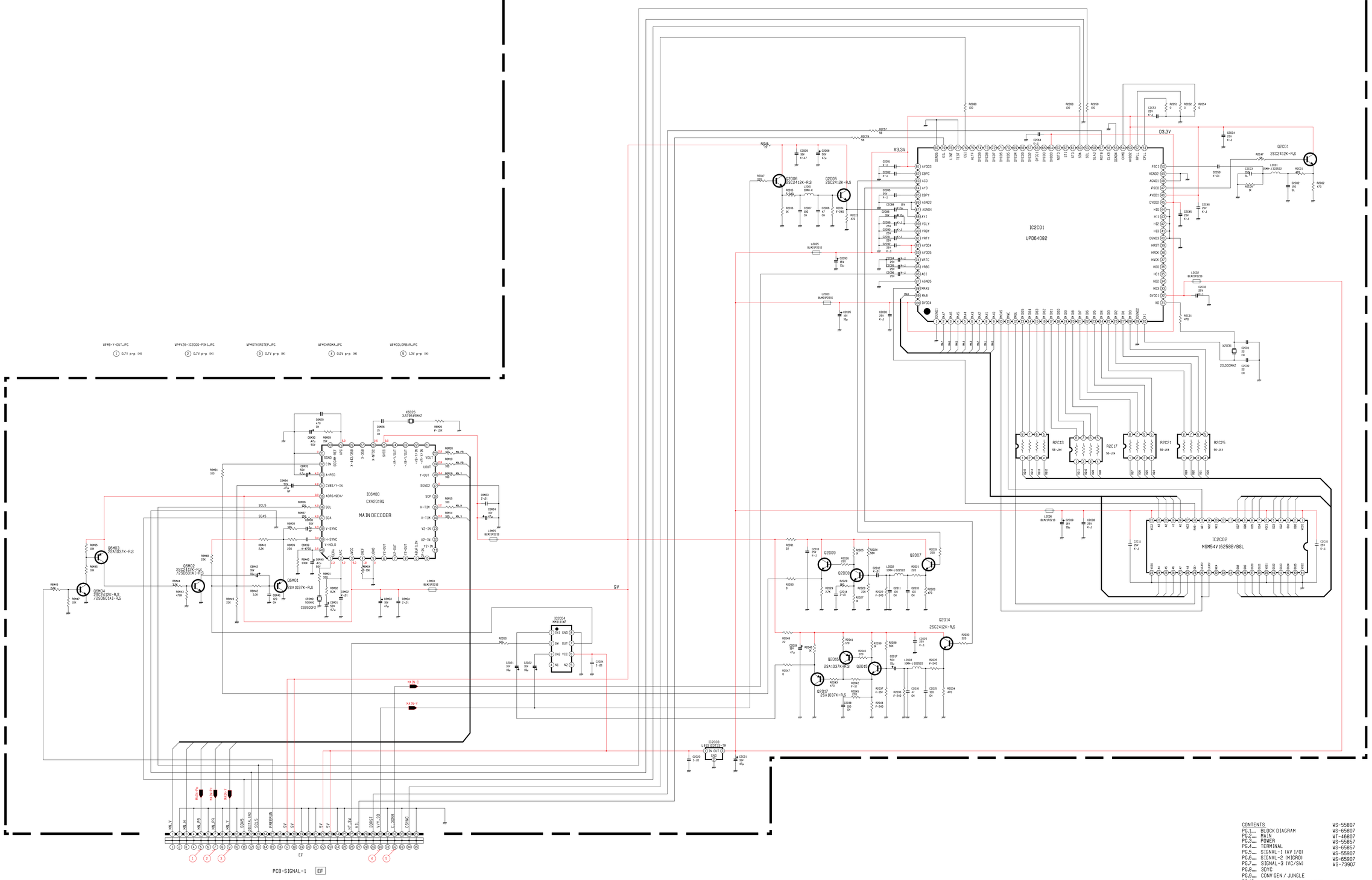
PG.11	2HDW-1	
PG.12	2HDW-2	
PG.13	2HDW-3	
PG.14	BITMAP-1	
PG.15	BITMAP-2	



CONTENTS		
PG.1	BLOCK DIAGRAM	WS-55807
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PG.12	2HDW-2	
PG.13	2HDW-3	
PG.14	BITMAP-1	
PG.15	BITMAP-2	

PCB-CONTROL LB

PCB-AI

PCB-PREAMP

PCB-CONTROL LA

PCB-DISPLAY

PCB-SIGNAL-2 RF

PCB-CONT

PCB-TERMINAL CB

PCB-FRONT

PCB-CONT2

PCB-CRT (R)

PCB-CRT (G)

PCB-CRT (B)

PCB-SVM

PCB-DBF

PCB-PREAMP2

CONTENTS WS-55807

PG.1 BLOCK DIAGRAM WS-65807
PG.2 MAIN WT-46807
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PG.8 3DYC
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PG.10 CRT/CONTROL/AI/SVM/DBF
PG.11 2HDW-1
PG.12 2HDW-2
PG.13 2HDW-3
PG.14 BITMAP-1
PG.15 BITMAP-2

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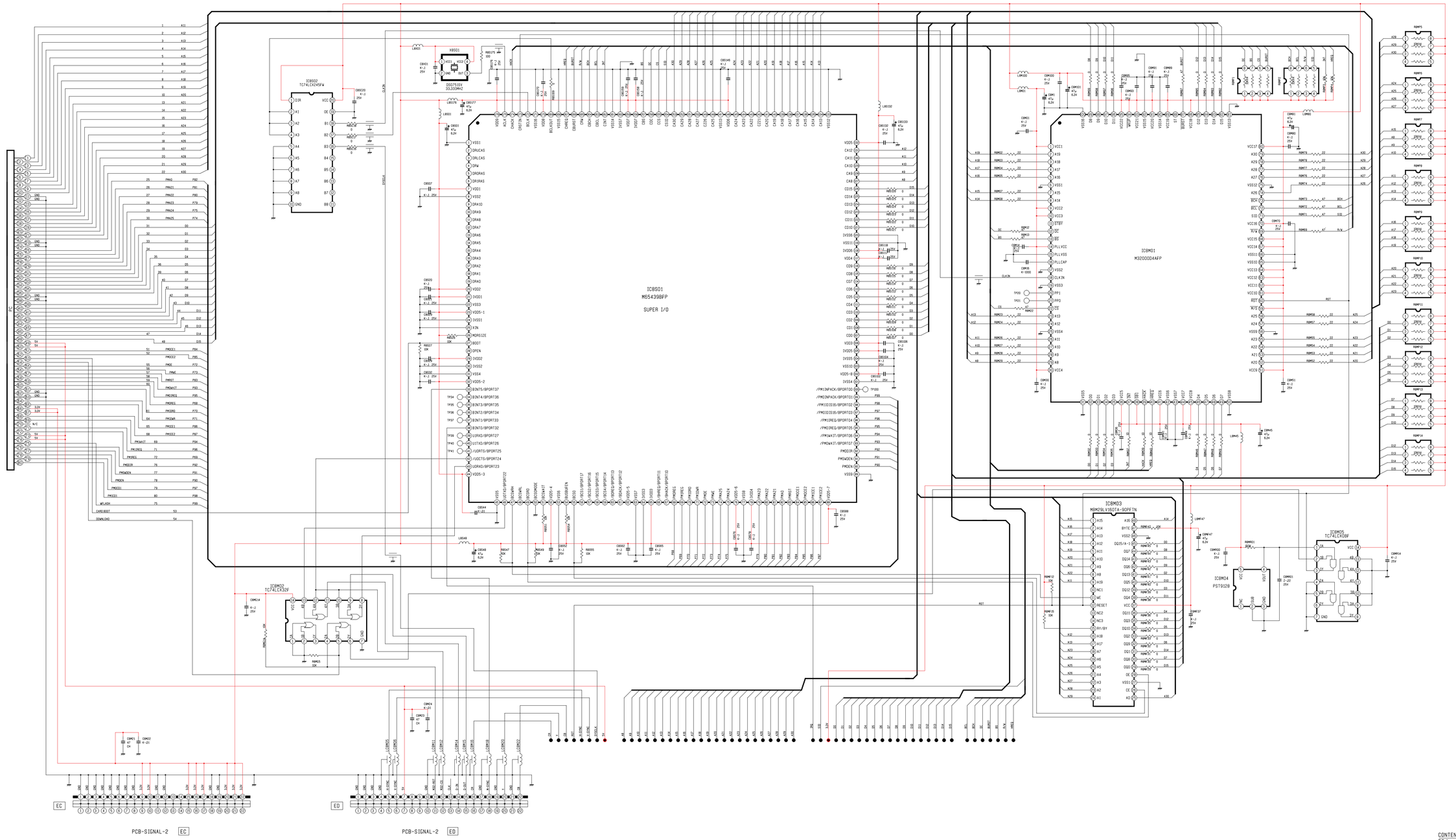
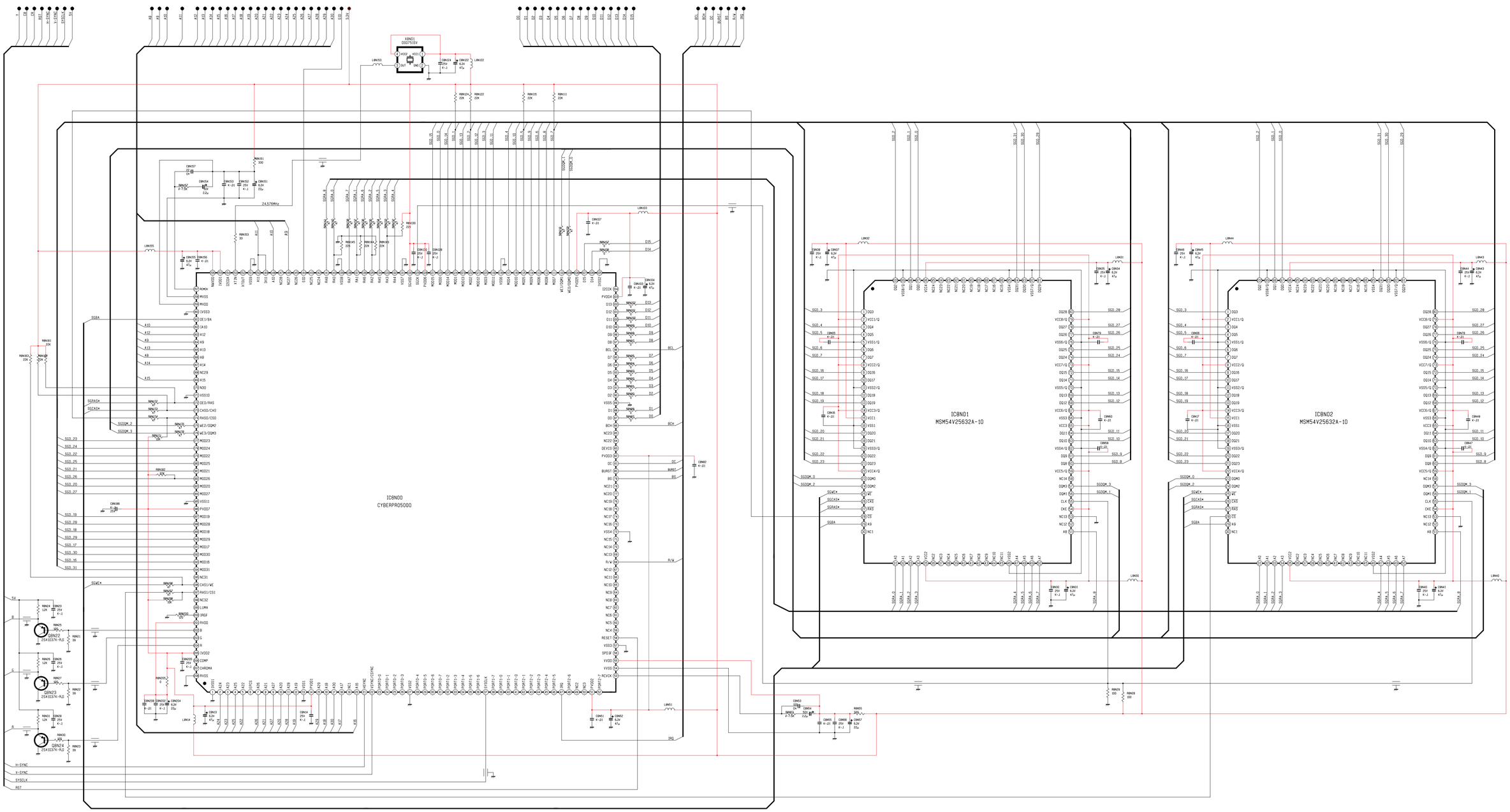


× ALL OPEN-ENDED CIRCUIT PATHS CONNECT TO THE BITMAP-2 SCHEMATIC

CONTENTS		
P6.1	BLOCK DIAGRAM	WS-55807
P6.2	MAIN	WS-65807
P6.3	POWER	WT-46807
P6.4	TERMINAL	WS-55857
P6.5	SIGNAL-1 (AV I/O)	WS-65857
P6.6	SIGNAL-2 (MICRO)	WS-55907
P6.7	SIGNAL-3 (VC/SW)	WS-65907
P6.8	3DYC	WS-73907
P6.9	CONV GEN / JUNGLE	
P6.10	CRT/CONTROL/A1/SVM/DBF	
P6.11	2HDW-1	
P6.12	2HDW-2	
P6.13	2HDW-3	
P6.14	BITMAP-1	
P6.15	BITMAP-2	



× ALL OPEN-ENDED CIRCUIT PATHS CONNECT TO THE BITMAP-1 SCHEMATIC

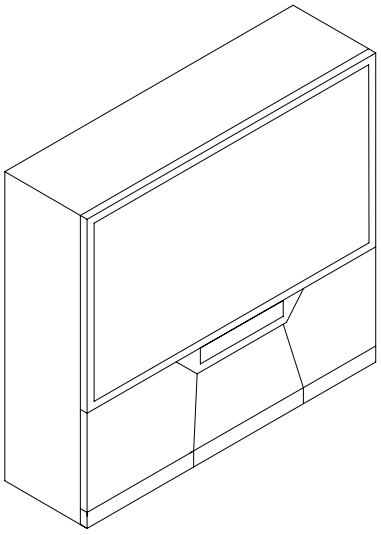
CONTENTS		
PG.1	BLOCK DIAGRAM	WS-55807
PG.2	MAIN	WS-65807
PG.3	POWER	WT-46807
PG.4	TERMINAL	WS-55857
PG.5	SIGNAL-1 (AV I/O)	WS-55857
PG.6	SIGNAL-2 (MICRO)	WS-55907
PG.7	SIGNAL-3 (VC/SW)	WS-65907
PG.8	3DYC	WS-73907
PG.9	CONV GEN / JUNGLE	
PG.10	CRT/CONTROL/A1/SVM/DBF	
PG.11	2HDW-1	
PG.12	2HDW-2	
PG.13	2HDW-3	
PG.14	BITMAP-1	PAGE S-15
PG.15	BITMAP-2	

2001

MITSUBISHI ELECTRIC

Service Manual

PROJECTION TELEVISION
V17+++ CHASSIS



V17+++
MODELS

WS-55908
WS-65908

PARTS LIST ONLY

For Disassembly, Adjustments,Schematics, etc., refer to the service manual covering V17, V17+ and V17++ models.
P/N: S/M WS55807 (Paper)
SM/CD WS55807 (CD-ROM)

CAUTION:
Before servicing this chassis, it is important that the service person read the "SAFETY PRECAUTIONS" and "PRODUCT SAFETY NOTICE" contained in the service manual.

SPECIFICATIONS

- **Power** : AC 120V, 60Hz, 320W
- **Frequency Range** : VHF 54 ~ 470MHz
  UHF 470 ~ 806MHz
- **Antenna Input** : VHF/UHF 75Ω unbalanced
  Single axis input
- **CRT Size** : 7 inches
- **High Voltage** : 32.0kV (at 0A)
- **Speaker** : 5" round type, full range 2 pcs. (8Ω 10W)
  2" round type, tweeter 2 pcs. (8Ω 10W)
- **Weight** : [WS-55908] 302 lbs
  : [WS-65908] 375 lbs
- **Cabinet Dimensions** : [Model] (H)x(W)x(D)
  : [WS-55908] 51.5"x49.9"x28.1"
  : [WS-65908] 61.6"x58.2"x28.2"

- **Input Level** : VIDEO IN JACK (RCA Type)
  1.0Vp-p 75Ω unbalanced
  : AUDIO IN JACK (RCA Type)
  -4.7dBm 43kΩ unbalanced
  : S-VIDEO IN JACK
  (Y/C separate type)
  Y:1.0 Vp-p C:0.286Vp-p(BURST)
  75Ω unbalanced
  : DVD / Y, Cr, Cb (RCA Type)
  Y: 1.0 Vp-p Cr, Cb: 700mVp-p
  : ATV / Y(G), Pr(R), Pb(B), H, V
  Y: 1.0Vp-p with sync 75Ω (BNC)
  Pr, Pb: 700mV 75Ω
  H, V: 3.0Vp-p 75Ω
- **Output Level** : VIDEO OUT JACK (RCA Type)
  1.0Vp-p 75Ω unbalanced
  : AUDIO OUT JACK (RCA Type)
  -4.7dBm 4.7kΩ unbalanced

- Weight and dimensions shown are approximate.
- Design specifications are subject to change without notice.

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CHIP PARTS REPLACEMENT

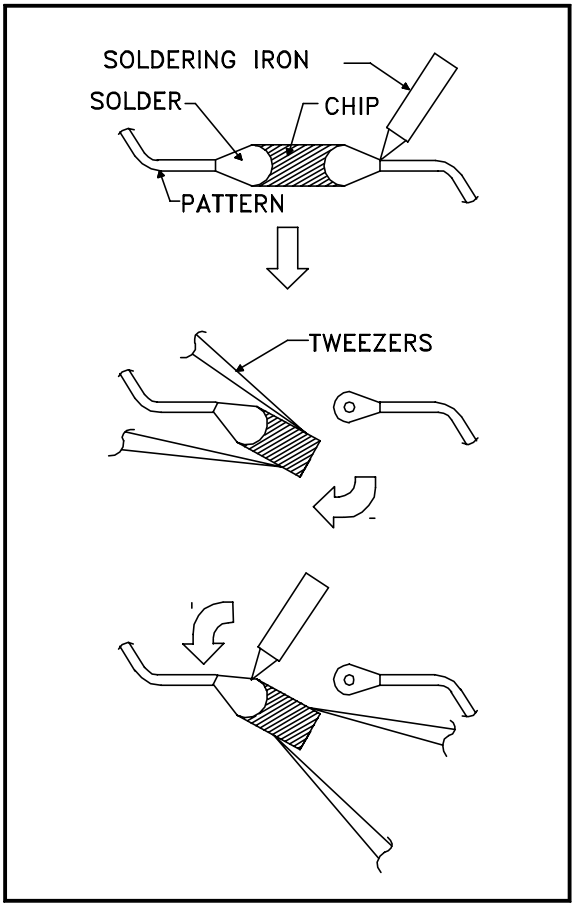
Some resistors, shorting jumpers (0 Ohm resistors), ceramic capacitors, transistors and diodes are chip parts. The following precautions should be taken when replacing these parts.

Cautions:

1. Use a fine tipped, well insulated soldering iron (approximately 30 watts), and tweezers.
2. Melt the solder and remove the chip parts carefully so as not to tear the copper foil from the printed circuit board.
3. Discard removed chips; do not reuse them.
4. Do not apply heat for more than 3 (three) seconds to new chip parts.
5. Avoid using a rubbing stroke when soldering.
6. Take care not to scratch, or damage the chip parts when soldering.
7. Supplementary cementing is not required.

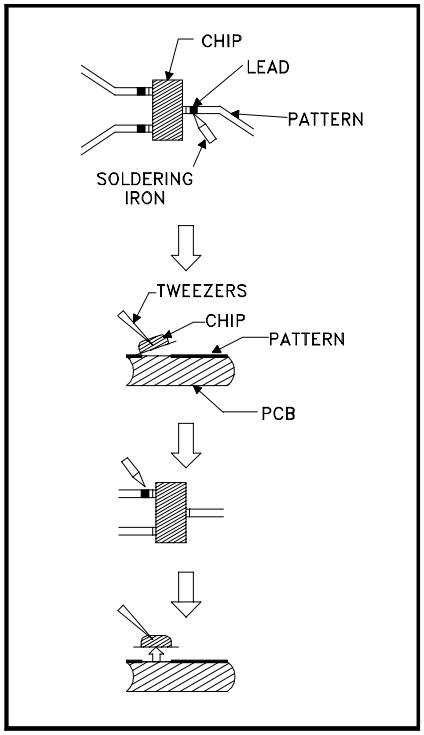
Chip Parts Removal (Resistors, Capacitors, etc.)

1. Grasp the part with tweezers. Melt the solder at both sides alternately, and remove one side of the part with a twisting motion.
2. Melt the solder at the other side and remove the part.



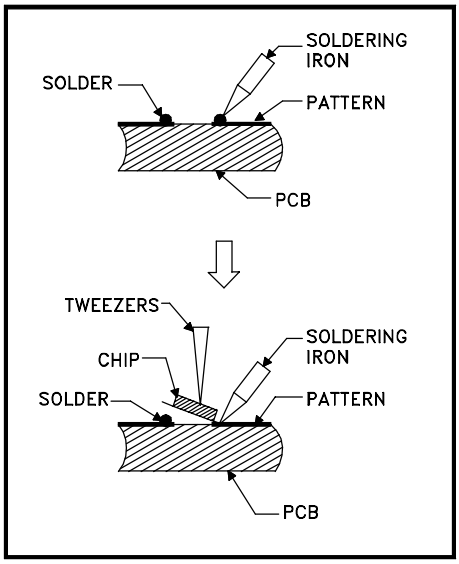
Chip Parts Removal (Transistors)

1. Melt the solder of one lead and lift the side of that lead upward.
2. Simultaneously melt the solder of the other two leads and lift the part from the PCB.



Replacement

1. Presolder the contact points on the circuit pattern.
2. Press the part downward with tweezers and apply the soldering iron as shown.



REPLACEMENT PARTS

Parts Ordering
To expedite delivery of replacement parts orders, specify the following:

1. Model Number/Serial Number
2. Part Number and description
3. Quantity

Note: Unless complete information is supplied, delay in processing of orders will result.

Critical and Warranty Parts Designation

Critical Electrical Components are indicated by **Bold Type** in the Parts List, and in the schematic diagrams by shading.

Warranty Return Parts are indicated in the Parts List with an **(*)**.

Parts Tolerance Codes
Refer to the following chart for tolerance characteristics of electrical components.

MARK	B	C	D	F	G	J	K
Tolerance %	± 0.1	± 0.25	± 0.5	± 1	± 2	± 5	± 10

MARK	M	N	V	X	Z	P	Q
Tolerance %	± 20	± 30	± 10	+ 40 -20	+ 80 -20	+ 100 - 0	+ 30 -10

MARK	M	N	V	X	Z
Tolerance (pF)	± 0.1	± 0.25	± 0.5	± 1	± 2

QUICK REFERENCE FOR COMMON REPLACEMENT PARTS

CRT ASSEMBLIES

MODEL	ASSY-CRT-RED	ASSY-CRT-GREEN	ASSY-CRT-BLUE
WS-55908	***251C208070**	***251C208080**	***251C208030**
WS-65908	***251C209010**	***251C209020**	***251C207090**

REMOTE CONTROL

	290P103020	REMOTE CONTROL

HIGH VOLTAGE / DEFLECTION COMPONENTS

Q5A31	261P071010	HORIZ-OUT 2SC5418 RL
Q5A51	**261P082010**	**HV-OUT 2SK2771-O1R**
T5A51	**334P278010**	**TRANS-FLYBACK**
	920P016010	**HV-BLOCK**
	129P059050	VR-FOCUS
	330P276010	**DEFL-YOKE**
	453B035010	**CAP ANODE-RED**
	453B035020	**CAP ANODE-B&G**

MISCELLANEOUS

MODEL	MIRROR	LENTICULAR SCREEN	FRESNEL LENS	DIAMOND SHIELD
WS-55908	767D055040	491P103010	491P104010	760D635010
WS-65908	767D048090	491P105010	491P106010	760D635020

[#] Model Legend: (1) WS-55908, (2) WS-65908

Ref #	Part #	Part Name & Description	[#]
		TUBES	
	251C208030	**ASSY-CRT-BLUE**	**1**
	251C208070	**ASSY-CRT-RED**	**1**
	251C208080	**ASSY-CRT-GREEN**	**1**
	251C207090	**ASSY-CRT-BLUE**	**2**
	251C209010	**ASSY-CRT-RED**	**2**
	251C209020	**ASSY-CRT-GREEN**	**2**
		INTEGRATED CIRCUITS	
IC2C01	275P496010	IC-C-MOS - UPD64082GF-3BA	
IC2C02	275P531010	IC-C-MOS - MSM54V16258B-45TS-K	
IC2C03	270P817010	IC - L4931CDT33-TR	
IC2C04	270P526020	IC - MM1111XF	
IC2K01	270P623010	IC - CXA2069Q	
IC2L01	270P623010	IC - CXA2069Q	
IC2V00	270P663020	IC - CXA2101AQ	
IC2V01	275P581010	IC-C-MOS - TC7SET08FU	
IC2X01	270P781010	IC - BA7078AF	
IC2X02	270P781010	IC - BA7078AF	
IC2X06	270P777010	IC - TDA9177	
IC2X07	274P378010	IC-C-MOS - TC74HC4053AF	
IC2X08	275P423010	IC-C-MOS - MAX4583CSE	
IC2Y01	274P378010	IC-C-MOS - TC74HC4053AF	
IC2Y02	275P423010	IC-C-MOS - MAX4583CSE	
IC2Y03	274P378010	IC-C-MOS - TC74HC4053AF	
IC2Y04	275P423010	IC-C-MOS - MAX4583CSE	
IC2Y05	274P378010	IC-C-MOS - TC74HC4053AF	
IC2Y06	275P423010	IC-C-MOS - MAX4583CSE	
IC2Y07	274P378010	IC-C-MOS - TC74HC4053AF	
IC2Y08	275P423010	IC-C-MOS - MAX4583CSE	
IC2Y09	274P378010	IC-C-MOS - TC74HC4053AF	
IC2Y10	275P423010	IC-C-MOS - MAX4583CSE	
IC3A01	270P467010	IC - TDA9855	
IC3E01	**270P750010**	**IC - LA4663**	
IC4A01	270P664010	IC - CXA2102Q	
IC4A02	270P575030	IC - NJM78M09DLA - TE1	
IC4A03	263P384010	IC-C-MOS - TC74HC221AF-EL	
IC4B01	270P261020	IC - TDA8177	
IC5A00	**267P143020**	**KIC - MSPAD101**	
IC5A01	**272P237010**	**IC - LA6324N**	
IC5A02	**266P154010**	**IC - UPC393C**	
IC5A03	**270P704010**	**IC - LM4040BIZ-10.0**	
IC5A05	270P816010	IC - NJM431L	
IC6M00	270P658030	IC - CXA2019AQ/T4	
IC6M90	272P379020	IC - LM1881MX (NSC)	
IC6P00	270P658030	IC - CXA2019AQ/T4	
IC6P90	272P379020	IC - LM1881MX (NSC)	
IC7A00	**275P497030**	**IC-C-MOS - MN102H57K MA2**	
IC7A01	274P901010	IC-C-MOS - TC74HCT7007AF-EL	
IC7C01	275P533010	IC-C-MOS - M24C64WM6T	
IC7C02	275P533010	IC-C-MOS - M24C64WM6T	
IC7C03	275P419010	IC-C-MOS - SN74AHCT1G126DBV	
IC7C05	270P645010	IC - TDA8444T	
IC7C06	267P131010	HIC - SI-3033C	
IC7C07	270P817010	IC - L4931CDT33-TR	
IC7C08	270P706020	IC - MAX823REUK	
IC7C10	275P419010	IC-C-MOS - SN74AHCT1G126DBV	
IC7D00	275P451010	IC-C-MOS - TC74HC4066AFN-ELP	
IC7D01	275P560010	IC - ADS931E A2D CONVERTER	
IC7D02	275P560010	IC - ADS931E A2D CONVERTER	
IC7D03	275P560010	IC - ADS931E A2D CONVERTER	
IC7D10	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7D11	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7E00	275P451010	IC-C-MOS - TC74HC4066AFN-ELP	
IC7E01	275P560010	IC - ADS931E A2D CONVERTER	
IC7E02	275P560010	IC - ADS931E A2D CONVERTER	
IC7E03	275P560010	IC - ADS931E A2D CONVERTER	
IC7E10	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7E11	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7G01	275P247010	IC-C-MOS - MB40C958VPFV	
IC7G04	275P534010	IC-C-MOS - TC74HCT574AFW-ELP	
IC7G05	275P534010	IC-C-MOS - TC74HCT574AFW-ELP	
IC7H00	275P405010	IC-C-MOS - MSM56V16160D-10TS-K	
IC7H01	275P405010	IC-C-MOS - MSM56V16160D-10TS-K	
IC7H02	275P436020	IC-C-MOS - TMC57127PPM-M	
IC7H03	275P439020	IC - MSM53403E	
IC7H04	270P506010	IC - M51957BFP	
IC7H05	263P384010	IC-C-MOS - TC74HC221AF-EL	
IC7H06	270P348010	IC - TLC2932IPW	
IC7H07	275P437020	IC - SLA4028	
IC7H08	270P348010	IC - TLC2932IPW	
IC7H09	274P901010	IC-C-MOS - TC74HCT7007AF-EL	
IC7H11	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7H12	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7H13	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7H14	275P535010	IC-C-MOS - TC74AC157FN-ELP	
IC7K21	270P831010	IC-C-MOS - OPA2350PA	
IC8A00	275P223010	IC-C-MOS - CM0007AF	
IC8A01	275P222020	IC-C-MOS - M24C32MN6T	
IC8A02	270P348010	IC - TLC2932IPW	
IC8A03	275P420010	IC-C-MOS - MC74HC74AD	
IC8C01	**267P150010**	**HIC - STK392-570**	
IC8C02	**267P150010**	**HIC - STK392-570**	
IC8D01	263P408020	IC-C-MOS - UPD6376GS	
IC8D02	263P408020	IC-C-MOS - UPD6376GS	
IC8D03	263P408020	IC-C-MOS - UPD6376GS	
IC8D04	263P408020	IC-C-MOS - UPD6376GS	
IC8D05	263P408020	IC-C-MOS - UPD6376GS	
IC8D06	263P408020	IC-C-MOS - UPD6376GS	
IC8D07	270P751010	IC - TL084CD	
IC8D08	270P751010	IC - TL084CD	
IC8D09	270P751010	IC - TL084CD	
IC8D10	272P603010	IC - LM78L05ACZ/NJM78L05A	
IC8M01	275P291010	IC-C-MOS - M32000D4AFP	
IC8M02	275P557010	IC-C-MOS - TC74LCX32FN-ELP	
IC8M03	275P552030	IC-C-MOS - MBM29LV160TE-70P	
IC8M04	270P614010	IC - PST9128NR	
IC8M05	275P556010	IC-C-MOS - TC74LCX08FN-ELP	
IC8N00	275P553010	IC-C-MOS - CYBERPRO 5000	
IC8N01	275P487010	IC-C-MOS - MSM54V25632A-10AGBK4	
IC8N02	275P487010	IC-C-MOS - MSM54V25632A-10AGBK4	
IC8S01	275P104020	IC-C-MOS - M65439BFP	
IC8S02	275P562010	IC-C-MOS - TC74LCX245FW-ELP	
IC9A20	**267P151010**	**HIC - STR-G6632**	
IC9A21	**270P816010**	**IC - NJM431L**	
IC9A50	**267P140020**	**HIC - STR-F6628**	
IC9A51	**267P062050**	**HIC - SE110N**	
IC9C01	270P210010	IC - NJM7809FA/AN7809F	
IC9C02	267P131010	HIC - SI-3033C	

[#] Model Legend: (1) WS-55908, (2) WS-65908

Ref #	Part #	Part Name & Description	[#]
IC9C03	270P575030	IC - NJM78M09DLA - TE1	
IC9C05	270P210010	IC - NJM7809FA/AN7809F	

TRANSISTORS

TR-CHIP Type (Listed by Generic Number)

Part No.	Description
260P817010	2SA1037K-Q
260P817030	2SA1037K-S
260P818010	2SC2412K-Q
260P818030	2SC2412K-S
260P835030	2SC2413K-Q
261P801010	2SA1252-5,6

Conventional Transistors (By Ref #)

Ref #	Part #	Part Name & Description	[#]
Q2W06	260P533010	TR - 2SC3598-E	
Q2W09	260P533010	TR - 2SC3598-E	
Q2W11	261P801010	TR-CHIP - 2SA1252-5,6	
Q2W12	260P533010	TR - 2SC3598-E	
Q4B01	260P559030	TR - 2SC1740S-S	
Q5A01	260P788010	TR - 2SC4690-O	
Q5A02	260P561020	TR - 2SA1371-E	
Q5A03	260P386010	TR - 2SC2230-GR	
Q5A04	260P559030	TR - 2SC1740S-S	
Q5A05	260P560040	TR - 2SA933S-S	
Q5A06	**260P560040**	**TR - 2SA933S-S**	
Q5A07	261P123010	TR - UNR4113-S - FORM	
Q5A08	260P325030	TR - 2SC2655-Y	
Q5A10	260P603010	TR - DTA124ES/UN4112	
Q5A31	261P071010	TR - 2SC5418 RL	
Q5A32	260P587040	TR - 2SC2333-M,L	
Q5A33	260P559030	TR - 2SC1740S-S	
Q5A34	260P561020	TR - 2SA1371-E	
Q5A35	260P386010	TR - 2SC2230-GR	
Q5A36	260P630010	TR - 2SD2012	
Q5A37	260P559030	TR - 2SC1740S-S	
Q5A38	260P559030	TR - 2SC1740S-S	
Q5A51	**261P082010**	**TR - 2SK2771-01R**	
Q5H08	260P559050	TR - 2SC1740S-E	
Q5H09	260P559050	TR - 2SC1740S-E	
Q5H10	260P560040	TR - 2SA933S-S	
Q5H11	260P573020	TR - 2SB940A-P	
Q5H12	260P574020	TR - 2SD1264A-P	
Q5K00	260P664030	TR - 2SC4636	
Q5K01	260P664030	TR - 2SC4636	
Q5K02	260P559050	TR - 2SC1740S-E	
Q5K03	260P560040	TR - 2SA933S-S	
Q6B00	260P649020	TR - 2SC3942	
Q6B02	260P696010	TR - 2SC3790	
Q6B03	260P627020	TR - 2SA1480-D,E	
Q6B04	260P560040	TR - 2SA933S-S	
Q6G00	260P649020	TR - 2SC3942	
Q6G02	260P696010	TR - 2SC3790	
Q6G03	260P627020	TR - 2SA1480-D,E	
Q6R00	260P649020	TR - 2SC3942	
Q6R02	260P696010	TR - 2SC3790	
Q6R03	260P627020	TR - 2SA1480-D,E	
Q7A02	261P114010	TR - 2SA1585STPR	
Q7K11	260P559030	TR - 2SC1740S-S	
Q7K12	260P560040	TR - 2SA933S-S	
Q7K21	260P559030	TR - 2SC1740S-S	
Q9A20	**261P101010**	**TR - PHP21N06T**	
Q9A21	260P559030	TR - 2SC1740S-S	
Q9A22	260P559030	TR - 2SC1740S-S	
Q9A23	**261P101010**	**TR - PHP21N06T**	
Q9A50	260P416030	TR - 2SC2274-F,K-F	
Q9A51	260P559030	TR - 2SC1740S-S	
Q9A53	260P559030	TR - 2SC1740S-S	
Q9A54	260P559030	TR - 2SC1740S-S	

DIODES

Ref #	Part #	Part Name & Description	[#]
D2J08	264P484040	DIODE - RD5.6FB3	
D2J09	264P484040	DIODE - RD5.6FB3	
D2V44	264P822010	D-CHIP - HSM2838	
D2W01	264P822010	D-CHIP - HSM2838	
D2W02	264P822010	D-CHIP - HSM2838	
D2W03	264P501040	DIODE - HZ3ALL	
D4B01	264D056020	DIODE - S5500D/EM1Z/ERB12-02RK	
D4B04	264P045040	DIODE - 1S24710M	
D5A01	264P045040	DIODE - 1S24710M	
D5A02	264D056020	DIODE - S5500D/EM1Z/ERB12-02RK	
D5A12	264P045040	DIODE - 1S24710M	
D5A13	264P483070	DIODE - RD5.1FB1	
D5A14	264P045040	DIODE - 1S24710M	
D5A31	262P032010	DIODE - FMV-G2GS	
D5A34	264P483070	DIODE - RD5.1FB1	
D5A35	264P045040	DIODE - 1S24710M	
D5A36	264P045040	DIODE - 1S24710M	
D5A37	264P521040	DIODE - EU1A	
D5A51	**262P039010**	**DIODE - BYW96E/20**	
D5A52	**264P899010**	**DIODE - BYV26E**	
D5A53	**264P489010**	**DIODE - RD16FB1**	
D5A54	**264P724010**	**DIODE - STF14**	
D5A55	**264P724010**	**DIODE - STF14**	
D5A56	**264P045040**	**DIODE - 1S24710M**	
D5A57	**264P521040**	**DIODE - EU1A**	
D5A58	**264P045040**	**DIODE - 1S24710M**	
D5A59	**264P045040**	**DIODE - 1S24710M**	
D5A60	**264P489010**	**DIODE - RD16FB1**	
D5H01	264P045040	DIODE - 1S24710M	
D5H02	264P045040	DIODE - 1S24710M	
D5H09	264P045040	DIODE - 1S24710M	
D5K01	264P528030	DIODE - RP1H	
D5K02	264P543010	DIODE - EG01	
D5K03	264P543010	DIODE - EG01	
D5K10	264P528030	DIODE - RP1H	
D5K11	264P528030	DIODE - RP1H	
D6B00	264P573020	DIODE - EG1A	
D6B02	264P045040	DIODE - 1S24710M	
D6B03	264P457080	DIODE - RD3.3EB1	
D6B04	264P045040	DIODE - 1S24710M	
D6B06	264P045040	DIODE - 1S24710M	
D6G00	264P573020	DIODE - EG1A	
D6G02	264P045040	DIODE - 1S24710M	
D6G04	264P045040	DIODE - 1S24710M	
D6G06	264P045040	DIODE - 1S24710M	
D6R00	264P573020	DIODE - EG1A	
D6R02	264P045040	DIODE - 1S24710M	
D6R04	264P045040	DIODE - 1S24710M	
D6R06	264P045040	DIODE - 1S24710M	
D7C03	264P045040	DIODE - 1S24710M	

[#] Model Legend: (1) WS-55908, (2) WS-65908

Ref #	Part #	Part Name & Description	[#]
D7C04	264P045040	DIODE - 1S24710M	
D7C06	264P822010	D-CHIP - HSM2838	
D7C07	264P822010	D-CHIP - HSM2838	
D7C08	264P822010	D-CHIP - HSM2838	
D7H01	264P822010	D-CHIP - HSM2838	
D7K01	264P212020	D-LED - LN31GPH	
D7K12	264P501050	DIODE - HZ3BLL	
D7K21	268P100010	PHOTO DIODE - SFH235FA	
D7K22	264P045040	DIODE - 1S24710M	
D8C01	264P045040	DIODE - 1S24710M	
D8D03	264P486060	DIODE - RD9.1FB3	
D8D04	264P486060	DIODE - RD9.1FB3	
D9A01	**262P031010**	**DIODE - D6SB80**	
D9A21	264P899010	DIODE - BYV26E	
D9A22	264P045040	DIODE - 1S24710M	
D9A23	264P045040	DIODE - 1S24710M	
D9A24	264P045040	DIODE - 1S24710M	
D9A25	264P045040	DIODE - 1S24710M	
D9A26	264P045040	DIODE - 1S24710M	
D9A27	264P045040	DIODE - 1S24710M	
D9A30	264P566010	DIODE - FMP-G12S	
D9A31	264P045040	DIODE - 1S24710M	
D9A32	264P487070	DIODE - RD12FB1	
D9A33	264P628010	DIODE - FMB-G14L	
D9A50	264P045040	DIODE - 1S24710M	
D9A52	264P045040	DIODE - 1S24710M	
D9A53	264P045040	DIODE - 1S24710M	
D9A54	264P045040	DIODE - 1S24710M	
D9A55	264P045040	DIODE - 1S24710M	
D9A56	264P566010	DIODE - FMP-G12S	
D9A57	264P899010	DIODE - BYV26E	
D9A58	264P588010	DIODE - FML-G16S	
D9A64	264P045040	DIODE - 1S24710M	
D9A65	264P045040	DIODE - 1S24710M	
D9A66	264P045040	DIODE - 1S24710M	

COILS

COIL-CHIP Type By Value

Value	Part No.	Value	Part No.
10MH-J	325C146030	47MH-K	325C242010
10MH-K	325C141030	100MH-K	325C242050
10MH-K	325C241030	180MH-J	325C147080
15MH-J	325C146050		

Conventional Coils

L1A06	409P923060	EMI-F-CHIP - BLM21B272S	
L1A07	409P923060	EMI-F-CHIP - BLM21B272S	
L1A13	409P923060	EMI-F-CHIP - BLM21B272S	
L1B06	409P923060	EMI-F-CHIP - BLM21B272S	
L1B07	409P923060	EMI-F-CHIP - BLM21B272S	
L1B13	409P923060	EMI-F-CHIP - BLM21B272S	
L2C03	409P777080	EMI-F-CHIP - BLM21P221S	
L2C05	409P777080	EMI-F-CHIP - BLM21P221S	
L2C06	409P777080	EMI-F-CHIP - BLM21P221S	
L2C32	409P777080	EMI-F-CHIP - BLM21P221S	
L2J01	409P777050	EMI-F-CHIP - BLM21B201S	
L2J02	409P777050	EMI-F-CHIP - BLM21B201S	
L2J03	409P777050	EMI-F-CHIP - BLM21B201S	
L2J04	409P777050	EMI-F-CHIP - BLM21B201S	
L2J05	409P777050	EMI-F-CHIP - BLM21B201S	
L2J07	409P777050	EMI-F-CHIP - BLM21B201S	
L2J66	409P777080	EMI-F-CHIP - BLM21P221S	
L2K42	409P777080	EMI-F-CHIP - BLM21P221S	
L2K65	409P777080	EMI-F-CHIP - BLM21P221S	
L2K77	409P777080	EMI-F-CHIP - BLM21P221S	
L2L42	409P777080	EMI-F-CHIP - BLM21P221S	
L2V06	409P923060	EMI-F-CHIP - BLM21B272S	
L2V72	409P923060	EMI-F-CHIP - BLM21B272S	
L2W01	409P923060	EMI-F-CHIP - BLM21B272S	
L2W02	409P923060	EMI-F-CHIP - BLM21B272S	
L2W03	409P923060	EMI-F-CHIP - BLM21B272S	
L2W04	409P923060	EMI-F-CHIP - BLM21B272S	
L2W05	409P923060	EMI-F-CHIP - BLM21B272S	
L2W76	409P923060	EMI-F-CHIP - BLM21B272S	
L2X01	409P923060	EMI-F-CHIP - BLM21B272S	
L2X04	409P923060	EMI-F-CHIP - BLM21B272S	
L2Y01	409P923060	EMI-F-CHIP - BLM21B272S	
L2Y03	409P923060	EMI-F-CHIP - BLM21B272S	
L2Y04	409P923060	EMI-F-CHIP - BLM21B272S	
L2Y06	409P923060	EMI-F-CHIP - BLM21B272S	
L2Y07	409P923060	EMI-F-CHIP - BLM21B272S	
L3A37	409P923060	EMI-F-CHIP - BLM21B272S	
L4A02	325C461030	COIL-PEAKING - 10MH-K	
L4A03	409P777080	EMI-F-CHIP - BLM21P221S	
L4B01	321C130010	COIL-RF - 2MH	
L4B02	321C130090	COIL-RF - 10MH-K	
L5A31	411P001010	LEAD-FERRITE	
L5A33	333P052030	COIL-HORIZ-LIN	
L5A34	321C130010	COIL-RF - 2MH	
L5A51	321C141030	COIL-RF - 10MH-K	
L5A52	321C141030	COIL-RF - 10MH-K	
L5A53	321C141010	COIL-RF - 6.8MH-M	
L5A54	411D009020	CORE-FERRITE	
L5A55	411D009020	CORE-FERRITE	
L5H41	325C110090	COIL-PEAKING - 4.7MH-K	
L6B00	325C461010	COIL-PEAKING - 6.8MH-K	
L6B01	325C461040	COIL-PEAKING - 12MH-K	
L6B02	325C460080	COIL-PEAKING - 3.9MH-K	
L6B03	325C461030	COIL-PEAKING - 10MH-K	
L6G00	325C461010	COIL-PEAKING - 6.8MH-K	
L6G01	325C461040	COIL-PEAKING - 12MH-K	
L6G02	325C460080	COIL-PEAKING - 3.9MH-K	
L6G03	325C461030	COIL-PEAKING - 10MH-K	
L6M01	409P923060	EMI-F-CHIP - BLM21B272S	
L6M03	409P777080	EMI-F-CHIP - BLM21P221S	
L6M25	409P777080	EMI-F-CHIP - BLM21P221S	
L6P03	409P923060	EMI-F-CHIP - BLM21B272S	
L6P25	409P923060	EMI-F-CHIP - BLM21B272S	
L6R00	325C461010	COIL-PEAKING - 6.8MH-K	
L6R01	325C461040	COIL-PEAKING - 12MH-K	
L6R02	325C460080	COIL-PEAKING - 3.9MH-K	
L6R03	325C461030	COIL-PEAKING - 10MH-K	
L6R04	321C141010	COIL-RF - 6.8MH-M	
L7B28	409P923060	EMI-F-CHIP - BLM21B272S	
L7C02	409P923060	EMI-F-CHIP - BLM21B272S	
L7C03	409P923060	EMI-F-CHIP - BLM21B272S	
L7C04	409P923060	EMI-F-CHIP - BLM21B272S	
L7C05	409P923060	EMI-F-CHIP - BLM21B272S	
L7C06	409P923060	EMI-F-CHIP - BLM21B272S	
L7C07	409P923060	EMI-F-CHIP - BLM21B272S	

[#] Model Legend: (1) WS-55908, (2) WS-65908

Ref #	Part #	Part Name & Description	[#]
L7C08	409P923060	EMI-F-CHIP - BLM21B272S	
L7C09	409P923060	EMI-F-CHIP - BLM21B272S	
L7C10	409P923060	EMI-F-CHIP - BLM21B272S	
L7C11	409P923060	EMI-F-CHIP - BLM21B272S	
L7D12	409P777020	EMI-F-CHIP - BLM21A05	
L7E12	409P777020	EMI-F-CHIP - BLM21A05	
L7H11	409P777080	EMI-F-CHIP - BLM21P221S	
L7H19	409P777080	EMI-F-CHIP - BLM21P221S	
L7H32	409P777080	EMI-F-CHIP - BLM21P221S	
L7H41	409P777080	EMI-F-CHIP - BLM21P221S	
L7H42	409P777080	EMI-F-CHIP - BLM21P221S	
L7H50	409P777080	EMI-F-CHIP - BLM21P221S	
L7K01	325C121030	COIL-PEAKING - 10MH-K	
L8A00	409P777080	EMI-F-CHIP - BLM21P221S	
L8A01	409P777080	EMI-F-CHIP - BLM21P221S	
L8A02	409P777080	EMI-F-CHIP - BLM21P221S	
L8A03	409P777080	EMI-F-CHIP - BLM21P221S	
L8A04	325C461030	COIL-PEAKING - 10MH-K	
L8C01	321C142030	COIL-RF - 68MH-K	
L8C02	321C142030	COIL-RF - 68MH-K	
L8C03	321C142030	COIL-RF - 68MH-K	
L8C04	321C142030	COIL-RF - 68MH-K	
L8D02	409P777080	EMI-F-CHIP - BLM21P221S	
L8D03	409P777080	EMI-F-CHIP - BLM21P221S	
L8D04	409P777080	EMI-F-CHIP - BLM21P221S	
L8M01	409P777050	EMI-F-CHIP - BLM21B201S	
L8M100	409P777050	EMI-F-CHIP - BLM21B201S	
L8M45	409P777050	EMI-F-CHIP - BLM21B201S	
L8M80	409P777050	EMI-F-CHIP - BLM21B201S	
L8MF47	409P777050	EMI-F-CHIP - BLM21B201S	
L8N103	409P777050	EMI-F-CHIP - BLM21B201S	
L8N122	409P777050	EMI-F-CHIP - BLM21B201S	
L8N14	409P777050	EMI-F-CHIP - BLM21B201S	
L8N153	409P777050	EMI-F-CHIP - BLM21B201S	
L8N155	409P777050	EMI-F-CHIP - BLM21B201S	
L8N30	409P777050	EMI-F-CHIP - BLM21B201S	
L8N31	409P777050	EMI-F-CHIP - BLM21B201S	
L8N32	409P777050	EMI-F-CHIP - BLM21B201S	
L8N40	409P777050	EMI-F-CHIP - BLM21B201S	
L8N43	409P777050	EMI-F-CHIP - BLM21B201S	
L8N44	409P777050	EMI-F-CHIP - BLM21B201S	
L8N51	409P777050	EMI-F-CHIP - BLM21B201S	
L8S01	409P777050	EMI-F-CHIP - BLM21B201S	
L8S132	409P777050	EMI-F-CHIP - BLM21B201S	
L8S176	409P777050	EMI-F-CHIP - BLM21B201S	
L8S48	409P777050	EMI-F-CHIP - BLM21B201S	
L8X01	409P777050	EMI-F-CHIP - BLM21B201S	
L9A02	**351P209010**	**LINE FILTER - SU16VD-40010**	
L9A20	411D009020	CORE-FERRITE	
L9A21	411D009020	CORE-FERRITE	
L9A22	321C141070	COIL-RF - 22MH-K	
L9A23	321C141070	COIL-RF - 22MH-K	
L9A24	321C141070	COIL-RF - 22MH-K	
L9A50	411D009020	CORE-FERRITE	
L9A51	411D009020	CORE-FERRITE	
L9A52	411D009020	CORE-FERRITE	
L9A53	321C141010	COIL-RF - 6.8MH-M	
L9A54	411D009020	CORE-FERRITE	
L9A55	321C142030	COIL-RF - 68MH-K	
L9A56	411D009020	CORE-FERRITE	

Ref #	Part #	Part Name & Description	[#]
L9A57	321C141070	COIL-RF - 22MH-K	
L9A62	321C141010	COIL-RF - 6.8MH-M	
L9A63	321C141010	COIL-RF - 6.8MH-M	
L9A64	321C130090	COIL-RF - 10MH-K	
L9A65	321C141070	COIL-RF - 22MH-K	
L9A66	321C141070	COIL-RF - 22MH-K	
L9A67	321C130090	COIL-RF - 10MH-K	
L9D00	**351P203010**	**LINE-FILTER - SS35V-45022**	
L9D01	**351P203010**	**LINE-FILTER - SS35V-45022**	
LC7D02	409P875090	EMI-F-CHIP - ELKE103FA	
LC7D05	409P875090	EMI-F-CHIP - ELKE103FA	
LC7D10	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7D11	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7D12	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7D13	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7D14	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7E10	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7E11	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7E12	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7E13	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7E14	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G01	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G02	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G03	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G04	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G05	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G06	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G07	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G08	409P875090	EMI-F-CHIP - ELKE103FA	
LC7G09	409P875090	EMI-F-CHIP - ELKE103FA	
LC7G10	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G11	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G12	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G13	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G14	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7G15	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7J03	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7J04	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7J05	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7J10	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7J13	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7J14	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC7J15	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8A21	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8A22	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8A23	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8A25	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8M05	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8M06	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8M11	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8M12	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8M14	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8M15	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8M16	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8M18	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8M20	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LC8M22	409P876020	EMI-F-CHIP - CNF20C470S/CKD510JB1H470S	
LF7D00	409P901010	LP-FILTER - 14MHZ SMD	
LF7D01	409P901010	LP-FILTER - 14MHZ SMD	
LF7D02	409P901010	LP-FILTER - 14MHZ SMD	

[#] Model Legend: (1) WS-55908, (2) WS-65908

Ref #	Part #	Part Name & Description	[#]
LF7E00	409P901010	LP-FILTER - 14MHZ SMD	
LF7E01	409P901010	LP-FILTER - 14MHZ SMD	
LF7E02	409P901010	LP-FILTER - 14MHZ SMD	
LF7G00	409P901010	LP-FILTER - 14MHZ SMD	
LF7G01	409P901010	LP-FILTER - 14MHZ SMD	
LF7G02	409P901010	LP-FILTER - 14MHZ SMD	

TRANSFORMERS

T5A31	**349P216010**	**TRANS-HORIZ**	
T5A32	**336P040010**	**TRANS-HORIZ-DRIVE**	
T5A51	**334P278010**	**TRANS-FLYBACK**	
T9A20	**350P766010**	**TRANS-POWER**	
T9A50	**350P765010**	**TRANS-POWER**	

VARIABLE RESISTORS

	129P059050	VR-FOCUS - MHF116-50W	
RV9D00	**265P100010**	**VARISTOR - ERZV10D271/ERZVEAV271**	

RESISTORS

R-M-CHIP Type Resistors (Listed by Value)

Value	Part No.	Value	Part No.
1/10W 0OHM	103P409050	1/10W 2.7K-F	103P473050
1/10W 10-J	103P400010	1/10W 2.7K-J	103P403000
1/10W 22-J	103P400050	1/10W 3.3K-F	103P473070
1/10W 33-J	103P400070	1/10W 3.3K-J	103P403010
1/10W 39-J	103P400080	1/10W 3.9K-F	103P473090
1/10W 47-J	103P400090	1/10W 3.9K-J	103P403020
1/10W 56-J	103P401000	1/10W 4.3K-F	103P474000
1/10W 75-J	103P409090	1/10W 4.7K-F	103P474010
1/10W 100-J	103P401030	1/10W 4.7K-J	103P403030
1/10W 120-J	103P401040	1/10W 5.1K-F	103P474020
1/10W 130-F	103P470040	1/10W 5.6K-J	103P403040
1/10W 150-J	103P401050	1/10W 6.2K-F	103P474040
1/10W 160-F	103P470060	1/10W 6.8K-F	103P474050
1/10W 180-F	103P470070	1/10W 6.8K-J	103P403050
1/10W 180-J	103P401060	1/10W 7.5K-F	103P474060
1/10W 200-F	103P470080	1/10W 8.2K-F	103P474070
1/10W 220-F	103P470090	1/10W 8.2K-J	103P403060
1/10W 220-J	103P401070	1/10W 10K-F	103P474090
1/10W 240-F	103P471000	1/10W 10K-J	103P403070
1/10W 270-J	103P401080	1/10W 12K-J	103P403080
1/10W 300-F	103P471020	1/10W 13K-F	103P475020
1/10W 330-F	103P471030	1/10W 15K-F	103P475030
1/10W 330-J	103P401090	1/10W 15K-J	103P403090
1/10W 390-F	103P471050	1/10W 18K-J	103P404000
1/10W 390-J	103P402000	1/10W 22K-F	103P475070
1/10W 470-J	103P402010	1/10W 22K-J	103P404010
1/10W 510-F	103P471080	1/10W 27K-F	103P475090
1/10W 560-F	103P471090	1/10W 27K-J	103P404020
1/10W 560-J	103P402020	1/10W 33K-F	103P476010
1/10W 620-F	103P472000	1/10W 33K-J	103P404030
1/10W 680-F	103P472010	1/10W 36K-F	103P476020
1/10W 680-J	103P402030	1/10W 47K-F	103P476050
1/10W 820-F	103P472030	1/10W 47K-J	103P404050
1/10W 820-J	103P402040	1/10W 56K-J	103P404060
1/10W 1K-F	103P472050	1/10W 68K-J	103P404070
1/10W 1K-J	103P402050	1/10W 82K-J	103P404080
Value	**Part No.**	**Value**	**Part No.**
1/10W 1.2K-F	103P472070	1/10W 100K-F	103P477030
1/10W 1.2K-J	103P402060	1/10W 100K-J	103P404090
1/10W 1.3K-F	103P472080	1/10W 120K-J	103P405000
1/10W 1.5K-F	103P472090	1/10W 150K-J	103P405010
1/10W 1.5K-J	103P402070	1/10W 270K-J	103P405040
1/10W 1.6K-F	103P473000	1/10W 330K-J	103P405050
1/10W 1.8K-F	103P473010	1/10W 390K-J	103P405060
1/10W 1.8K-J	103P402080	1/10W 470K-J	103P405070
1/10W 2K-F	103P473020	1/10W 560K-J	103P405080
1/10W 2.2K-F	103P473030	1/10W 680K-J	103P405090
1/10W 2.2K-J	103P402090	1/10W 3.3M-J	103P406070
1/10W 2.4K-F	103P473040		

Common Resistors (By Ref. #)

R2J70	103P711080	R-CARBON - 1/4W 270-J
R2J71	103P711030	R-CARBON - 1/4W 100-J
R2W17	103C171040	R-METAL - 1W 120-J
R2W25	103C171040	R-METAL - 1W 120-J
R2W63	103C171040	R-METAL - 1W 120-J
R3E02	103P712080	R-CARBON - 1/4W 1.8K-J
R3E04	103P712080	R-CARBON - 1/4W 1.8K-J
R3E05	103P714060	R-CARBON - 1/4W 56K-J
R3E06	103P713030	R-CARBON - 1/4W 4.7K-J
R3E15	103P713050	R-CARBON - 1/4W 6.8K-J
R3E16	103P713050	R-CARBON - 1/4W 6.8K-J
R4B05	103P713090	R-CARBON - 1/4W 15K-J
R4B10	103C188050	R-METAL - 2W 2.7-J
R4B12	103C188040	R-METAL - 2W 2.2-J
R4B17	103P712010	R-CARBON - 1/4W 470-J
R4B20	103P711090	R-CARBON - 1/4W 330-J
R4B23	103P711070	R-CARBON - 1/4W 220-J
R4B24	103P712050	R-CARBON - 1/4W 1K-J
R4B25	103P712050	R-CARBON - 1/4W 1K-J
R4B26	103P713000	R-CARBON - 1/4W 2.7K-J
R4B27	103P714080	R-CARBON - 1/4W 82K-J
R4B28	103P464040	R-METAL - 1/4W 2.4K-F
R5A01	103P712050	R-CARBON - 1/4W 1K-J
R5A02	103P712090	R-CARBON - 1/4W 2.2K-J
R5A03	103P713010	R-CARBON - 1/4W 3.3K-J
R5A04	103P713090	R-CARBON - 1/4W 15K-J
R5A05	103P713070	R-CARBON - 1/4W 10K-J
R5A06	103P713070	R-CARBON - 1/4W 10K-J
R5A07	103P714030	R-CARBON - 1/4W 33K-J
R5A08	103C194010	R-METAL - 3W 22K-J
R5A09	103P714040	R-CARBON - 1/4W 39K-J
R5A10	103P714040	R-CARBON - 1/4W 39K-J
R5A11	103P713070	R-CARBON - 1/4W 10K-J
R5A12	103P712050	R-CARBON - 1/4W 1K-J
R5A15	103P713010	R-CARBON - 1/4W 3.3K-J
R5A16	103P713090	R-CARBON - 1/4W 15K-J
R5A17	103P712050	R-CARBON - 1/4W 1K-J
R5A18	103P711030	R-CARBON - 1/4W 100-J
R5A19	103P461070	R-METAL - 1/4W 470-F
R5A20	103P714050	R-CARBON - 1/4W 47K-J
R5A21	103P713000	R-CARBON - 1/4W 2.7K-J
R5A22	103P714010	R-CARBON - 1/4W 22K-J
R5A23	103P713030	R-CARBON - 1/4W 4.7K-J
R5A24	103P714070	R-CARBON - 1/4W 68K-J
R5A25	103P712010	R-CARBON - 1/4W 470-J
R5A26	103P712090	R-CARBON - 1/4W 2.2K-J
R5A29	103P714010	R-CARBON - 1/4W 22K-J

[#] Model Legend: (1) WS-55908, (2) WS-65908

Ref #	Part #	Part Name & Description	[#]
R5A30	103C181060	R-METAL - 2W 180-J	
R5A31	103P711030	R-CARBON - 1/4W 100-J	
R5A34	103P711010	R-CARBON - 1/4W 68-J	
R5A36	103C393020	R-METAL-P - 3W 3.9K-J	
R5A37	103C393010	R-METAL-P - 3W 3.3K-J	
R5A38	103C397070	R-METAL-P - 3W 0.56-K	
R5A39	103C170050	R-METAL - 1W 22-J	
R5A40	103P714090	R-CARBON - 1/4W 100K-J	
R5A41	103P714040	R-CARBON - 1/4W 39K-J	
R5A42	103P713030	R-CARBON - 1/4W 4.7K-J	
R5A43	103P714010	R-CARBON - 1/4W 22K-J	
R5A45	103C393080	R-METAL-P - 3W 12K-J	
R5A46	103C391050	R-METAL-P - 3W 150-J	
R5A47	103P714030	R-CARBON - 1/4W 33K-J	
R5A49	103P713050	R-CARBON - 1/4W 6.8K-J	
R5A50	103P712090	R-CARBON - 1/4W 2.2K-J	
R5A51	**102P107000**	**R-WIRE - 2W 0.15-K**	
R5A52	**103P712010**	**R-CARBON - 1/4W 470-J**	
R5A53	**103P711000**	**R-CARBON - 1/4W 56-J**	
R5A54	103C190090	R-METAL - 3W 47-J	
R5A55	**103P712050**	**R-CARBON - 1/4W 1K-J**	
R5A56	**103P715060**	**R-CARBON - 1/4W 390K-J**	
R5A57	103P711030	R-CARBON - 1/4W 100-J	
R5A59	**103P461030**	**R-METAL - 1/4W 330-F**	
R5A60	**103P463010**	**R-METAL - 1/4W 1.8K-F**	
R5A61	**103P713060**	**R-CARBON - 1/4W 8.2K-J**	
R5A62	103P711030	R-CARBON - 1/4W 100-J	
R5A63	103P713090	R-CARBON - 1/4W 15K-J	
R5A64	**103P714090**	**R-CARBON - 1/4W 100K-J**	
R5A65	**103P141030**	**R-CARBON - 1/2W 100-J**	
R5A68	**103P463080**	**R-METAL - 1/4W 2.4K-F**	
R5A69	**103P460090**	**R-METAL - 1/4W 220-F**	
R5A71	**103P713070**	**R-CARBON - 1/4W 10K-J**	
R5A72	**103P461070**	**R-METAL - 1/4W 470-F**	
R5A73	**103P714080**	**R-CARBON - 1/4W 82K-J**	
R5A74	**103P713070**	**R-CARBON - 1/4W 10K-J**	
R5A75	**103P713070**	**R-CARBON - 1/4W 10K-J**	
R5A76	**103P713070**	**R-CARBON - 1/4W 10K-J**	
R5A78	**103P714010**	**R-CARBON - 1/4W 22K-J**	
R5A81	103P711030	R-CARBON - 1/4W 100-J	
R5A82	**103P370090**	**R-FUSE - 1/4W 47-J**	
R5A83	**103P464070**	**R-METAL - 1/4W 8.2K-F**	
R5A84	**103P464070**	**R-METAL - 1/4W 8.2K-F**	
R5A85	103P711010	R-CARBON - 1/4W 68-J	
R5A87	103P711030	R-CARBON - 1/4W 100-J	
R5A88	103P464000	R-METAL - 1/4W 4.3K-F	
R5A89	103P463050	R-METAL - 1/4W 2.7K-F	
R5A90	103P713030	R-CARBON - 1/4W 4.7K-J	
R5A91	103P714090	R-CARBON - 1/4W 100K-J	
R5A92	**103P713070**	**R-CARBON - 1/4W 10K-J**	
R5A96	103P713070	R-CARBON - 1/4W 10K-J	
R5A97	**103P711030**	**R-CARBON - 1/4W 100-J**	
R5A98	103C197090	R-METAL - 3W 0.82-J	
R5A99	103P714020	R-CARBON - 1/4W 27K-J	
R5H02	103P758000	R-FUSE - 1/4W 1-J	
R5H22	103P711030	R-CARBON - 1/4W 100-J	
R5H40	103P712040	R-CARBON - 1/4W 820-J	
R5H41	103P712090	R-CARBON - 1/4W 2.2K-J	
R5H42	103P711050	R-CARBON - 1/4W 150-J	
R5H47	103C172010	R-METAL - 1W 470-J	

Ref #	Part #	Part Name & Description	[#]
R5H48	103P712060	R-CARBON - 1/4W 1.2K-J	
R5H49	103P714070	R-CARBON - 1/4W 68K-J	
R5H50	103P714070	R-CARBON - 1/4W 68K-J	
R5H51	103P712060	R-CARBON - 1/4W 1.2K-J	
R5H53	103P713080	R-CARBON - 1/4W 12K-J	
R5H59	103C191070	R-METAL - 3W 220-J	
R5H60	103C178080	R-METAL - 1W 4.7-J	
R5H84	103P713050	R-CARBON - 1/4W 6.8K-J	
R5K09	103P762020	R-FUSE - 1/2W 560-J	
R5K10	103P711010	R-CARBON - 1/4W 68-J	
R5K12	**103P760060**	**R-FUSE - 1/2W 27-J**	
R5K19	103P464000	R-METAL - 1/4W 4.3K-F	
R5K20	103P712060	R-CARBON - 1/4W 1.2K-J	
R5K21	103P713070	R-CARBON - 1/4W 10K-J	
R5K25	103P713040	R-CARBON - 1/4W 5.6K-J	
R5K31	103P711030	R-CARBON - 1/4W 100-J	
R5K34	**103P760060**	**R-FUSE - 1/2W 27-J**	
R5K46	103P712010	R-CARBON - 1/4W 470-J	
R5K50	**103P762050**	**R-FUSE - 1/2W 1K-J**	
R6B00	103C392090	R-METAL-P - 3W 2.2K-J	
R6B01	103C392090	R-METAL-P - 3W 2.2K-J	
R6B02	103C392090	R-METAL-P - 3W 2.2K-J	
R6B03	103C392090	R-METAL-P - 3W 2.2K-J	
R6B08	103P711030	R-CARBON - 1/4W 100-J	
R6B09	103P711030	R-CARBON - 1/4W 100-J	
R6B13	**103P761070**	**R-FUSE - 1/2W 220-J**	
R6B14	103P141070	R-CARBON - 1/2W 220-J	
R6B25	103P711030	R-CARBON - 1/4W 100-J	
R6B26	103P713050	R-CARBON - 1/4W 6.8K-J	
R6G00	103C392090	R-METAL-P - 3W 2.2K-J	
R6G01	103C392090	R-METAL-P - 3W 2.2K-J	
R6G02	103C392090	R-METAL-P - 3W 2.2K-J	
R6G03	103C392090	R-METAL-P - 3W 2.2K-J	
R6G08	103P711030	R-CARBON - 1/4W 100-J	
R6G09	103P711030	R-CARBON - 1/4W 100-J	
R6G13	**103P761070**	**R-FUSE - 1/2W 220-J**	
R6G14	103P141070	R-CARBON - 1/2W 220-J	
R6R00	103C392090	R-METAL-P - 3W 2.2K-J	
R6R01	103C392090	R-METAL-P - 3W 2.2K-J	
R6R02	103C392090	R-METAL-P - 3W 2.2K-J	
R6R03	103C392090	R-METAL-P - 3W 2.2K-J	
R6R08	103P711030	R-CARBON - 1/4W 100-J	
R6R09	103P711030	R-CARBON - 1/4W 100-J	
R6R13	**103P761070**	**R-FUSE - 1/2W 220-J**	
R6R14	103P141070	R-CARBON - 1/2W 220-J	
R7C55	103C187060	R-METAL - 2W 0.47-J	
R7K01	103P712050	R-CARBON - 1/4W 1K-J	
R7K02	103P713010	R-CARBON - 1/4W 3.3K-J	
R7K11	103P712050	R-CARBON - 1/4W 1K-J	
R7K12	103P713070	R-CARBON - 1/4W 10K-J	
R7K13	103P713070	R-CARBON - 1/4W 10K-J	
R7K14	103P715040	R-CARBON - 1/4W 270K-J	
R7K15	103P712080	R-CARBON - 1/4W 1.8K-J	
R7K21	103P711080	R-CARBON - 1/4W 270-J	
R7K22	103P715030	R-CARBON - 1/4W 220K-J	
R7K23	103P713080	R-CARBON - 1/4W 12K-J	
R7K24	103P713080	R-CARBON - 1/4W 12K-J	
R7K25	103P713080	R-CARBON - 1/4W 12K-J	
R7K26	103P715030	R-CARBON - 1/4W 220K-J	
R7K27	103P713070	R-CARBON - 1/4W 10K-J	

[#] Model Legend: (1) WS-55908, (2) WS-65908

Ref #	Part #	Part Name & Description	[#]
R7K28	103P711050	R-CARBON - 1/4W 150-J	
R7K29	103P712060	R-CARBON - 1/4W 1.2K-J	
R7K30	103P713070	R-CARBON - 1/4W 10K-J	
R7K31	103P715030	R-CARBON - 1/4W 220K-J	
R7K32	103P713030	R-CARBON - 1/4W 4.7K-J	
R7K34	103P713000	R-CARBON - 1/4W 2.7K-J	
R7K35	103P711030	R-CARBON - 1/4W 100-J	
R7L01	103P462090	R-METAL - 1/4W 1.5K-F	
R7L04	103P464030	R-METAL - 1/4W 5.6K-F	
R7L07	103P462090	R-METAL - 1/4W 1.5K-F	
R7L10	103P464030	R-METAL - 1/4W 5.6K-F	
R8C03	103P711090	R-CARBON - 1/4W 330-J	
R8C07	103C391050	R-METAL-P - 3W 150-J	
R8C11	103P711090	R-CARBON - 1/4W 330-J	
R8C15	103C391050	R-METAL-P - 3W 150-J	
R8C19	103P711090	R-CARBON - 1/4W 330-J	
R8C23	103C391050	R-METAL-P - 3W 150-J	
R8C27	103P711090	R-CARBON - 1/4W 330-J	
R8C31	103C391050	R-METAL-P - 3W 150-J	
R8C35	103P711090	R-CARBON - 1/4W 330-J	
R8C39	103C391050	R-METAL-P - 3W 150-J	
R8C43	103P711090	R-CARBON - 1/4W 330-J	
R8C47	103C391050	R-METAL-P - 3W 150-J	
R8C60	103C191090	R-METAL - 3W 330-J	
R8C61	103C191090	R-METAL - 3W 330-J	
R8C62	103P712090	R-CARBON - 1/4W 2.2K-J	
R8C63	103P712090	R-CARBON - 1/4W 2.2K-J	
R8C64	103P712090	R-CARBON - 1/4W 2.2K-J	
R8C65	103P712090	R-CARBON - 1/4W 2.2K-J	
R8C66	103P712090	R-CARBON - 1/4W 2.2K-J	
R8C67	103P712090	R-CARBON - 1/4W 2.2K-J	
R8C68	103P712090	R-CARBON - 1/4W 2.2K-J	
R9A02	102P080010	R-CEMENT-WIRE - 5W 2.2-K	
R9A03	**109C010010**	**R-COMPOSITION - 1/2W 1M-K**	
R9A05	**109C010010**	**R-COMPOSITION - 1/2W 1M-K**	
R9A06	**109C010010**	**R-COMPOSITION - 1/2W 1M-K**	
R9A20	103P713010	R-CARBON - 1/4W 3.3K-J	
R9A21	103C394040	R-METAL-P - 3W 39K-J	
R9A22	103C183070	R-METAL - 2W 10K-J	
R9A24	103P713040	R-CARBON - 1/4W 5.6K-J	
R9A25	103P713010	R-CARBON - 1/4W 3.3K-J	
R9A26	103P712030	R-CARBON - 1/4W 680-J	
R9A27	103C187050	R-METAL - 2W 0.39-J	
R9A28	103P712090	R-CARBON - 1/4W 2.2K-J	
R9A30	103P712090	R-CARBON - 1/4W 2.2K-J	
R9A31	103P713020	R-CARBON - 1/4W 3.9K-J	
R9A32	103P714010	R-CARBON - 1/4W 22K-J	
R9A34	103P712090	R-CARBON - 1/4W 2.2K-J	
R9A35	103P713050	R-CARBON - 1/4W 6.8K-J	
R9A36	103P714090	R-CARBON - 1/4W 100K-J	
R9A37	103P712070	R-CARBON - 1/4W 1.5K-J	
R9A38	103P714090	R-CARBON - 1/4W 100K-J	
R9A39	103P714010	R-CARBON - 1/4W 22K-J	
R9A40	103P712010	R-CARBON - 1/4W 470-J	
R9A41	103P712050	R-CARBON - 1/4W 1K-J	
R9A42	103P464050	R-METAL - 1/4W 6.8K-F	
R9A43	103P466070	R-METAL - 1/4W 56K-F	
R9A44	103P464010	R-METAL - 1/4W 4.7K-F	
R9A50	103P713010	R-CARBON - 1/4W 3.3K-J	
R9A51	103P715050	R-CARBON - 1/4W 330K-J	

Ref #	Part #	Part Name & Description	[#]
R9A53	103P712030	R-CARBON - 1/4W 680-J	
R9A54	102P107000	R-WIRE - 2W 0.15-K	
R9A55	102P106090	R-WIRE - 2W 0.12-K	
R9A56	103P713010	R-CARBON - 1/4W 3.3K-J	
R9A57	103P713010	R-CARBON - 1/4W 3.3K-J	
R9A60	103P714050	R-CARBON - 1/4W 47K-J	
R9A61	103P713040	R-CARBON - 1/4W 5.6K-J	
R9A62	103P713070	R-CARBON - 1/4W 10K-J	
R9A63	103P712090	R-CARBON - 1/4W 2.2K-J	
R9A66	103P712090	R-CARBON - 1/4W 2.2K-J	
R9A68	103C180050	R-METAL - 2W 22-J	
R9A69	103C180050	R-METAL - 2W 22-J	
R9A75	103P714090	R-CARBON - 1/4W 100K-J	
R9A77	103P714090	R-CARBON - 1/4W 100K-J	
R9A78	103P711030	R-CARBON - 1/4W 100-J	
R9A79	103P711030	R-CARBON - 1/4W 100-J	
R9A80	103C193060	R-METAL - 3W 8.2K-J	
R9A83	103P463090	R-METAL - 1/4W 3.9K-F	
R9C01	103C177020	R-METAL - IW 0.22-J	
R9D00	**109D036020**	**R-COMPOSITION - 1/2W 4.7M-K**	

CAPACITORS AND TRIMMERS

CHIP Type Capacitors (by Value)

Value	Part No.	Value	Part No.
50V 10P-C	154P331010	50V 0.01M-K	141P132010
50V 15P-J	154P331050	50V 0.01M-Z	141P133080
50V 22P-J	154P331090	50V 0.012M-K	141P132020
50V 33P-J	154P332030	50V 0.015M-K	141P132030
50V 47P-J	154P332070	50V 0.033M-K	141P137060
50V 56P-J	154P332090	50V 0.047M-K	141P137080
50V 82P-J	154P333030	25V 0.068M-K	141P139010
50V 100P-J	154P323060	25V 0.1M-K	141P139030
50V 100P-J	154P333050	50V 0.1M-K	141P138020
50V 120P-J	154P333070	50V 0.1M-Z	141P135080
50V 120P-J	154P323080	25V 0.15M-K	141P139050
50V 150P-J	154P324000	16V 0.22M-K	141P139070
50V 220P-J	154P324040	25V 0.22M-Z	141P135000
50V 330P-J	154P334070	16V 0.47M-K	141P139090
50V 470P-J	154P325020	25V 0.47M-Z	141P135020
50V 470P-J	154P335010	16V 1M-K	141P134070
50V 560P-J	154P325040	16V 1M-Z	141P135070
50V 1000P-J	154P336090	50V 1M-M 105C	181P526010
50V 1000P-J	154P326000	50V 2.2M-M	181P506020
50V 1000P-K	141P130090	50V 2.2M-M 105C	181P526020
50V 2200P-K	141P131030	35V 10M-M	181P505000
50V 2200P-Z	141P133060	6.3V 22M-M	181P500010
50V 2700P-J	154P337040	6.3V 22M-M 105C	181P520010
50V 3900P-J	154P329010	16V 47M-M 105C	181P522060
50V 4700P-K	141P131070	6.3V 47M-M	181P500030
50V 5600P-J	154P329030	6.3V 47M-M 105C	181P520030
50V 8200P-K	141P132000	6.3V 100M-M 105C	181P520040

Conventional Capacitors (by Ref #)

C1A29	181P352040	C-ELEC - 16V 100M-M
C1A30	181P352040	C-ELEC - 16V 100M-M
C1B29	181P352040	C-ELEC - 16V 100M-M
C2C21	181P352030	C-ELEC - 16V 47M-M
C2D19	181P352030	C-ELEC - 16V 47M-M
C2J66	181P352060	C-ELEC - 16V 330M-M

[#] Model Legend: (1) WS-55908, (2) WS-65908

Ref #	Part #	Part Name & Description	[#]
C2K43	181P352070	C-ELEC - 16V 470M-M	
C2L41	181P352070	C-ELEC - 16V 470M-M	
C2V07	181P352050	C-ELEC - 16V 220M-M	
C2V72	181P352050	C-ELEC - 16V 220M-M	
C2W02	181P352080	C-ELEC - 16V 1000M-M	
C2W04	181P352050	C-ELEC - 16V 220M-M	
C2W76	181P352030	C-ELEC - 16V 47M-M	
C2X02	181P352030	C-ELEC - 16V 47M-M	
C2X29	181P352040	C-ELEC - 16V 100M-M	
C2X43	181P124040	C-ELEC-NP - 50V 10M-M	
C2X45	181P352030	C-ELEC - 16V 47M-M	
C2X47	181P124040	C-ELEC-NP - 50V 10M-M	
C2X50	181P124040	C-ELEC-NP - 50V 10M-M	
C2Y01	181P352030	C-ELEC - 16V 47M-M	
C2Y12	181P124040	C-ELEC-NP - 50V 10M-M	
C2Y15	181P352030	C-ELEC - 16V 47M-M	
C2Y21	181P124040	C-ELEC-NP - 50V 10M-M	
C2Y23	181P352030	C-ELEC - 16V 47M-M	
C2Y25	181P124040	C-ELEC-NP - 50V 10M-M	
C2Y28	181P124040	C-ELEC-NP - 50V 10M-M	
C2Y31	181P124040	C-ELEC-NP - 50V 10M-M	
C2Y35	181P124040	C-ELEC-NP - 50V 10M-M	
C2Y38	181P124040	C-ELEC-NP - 50V 10M-M	
C2Y41	181P352030	C-ELEC - 16V 47M-M	
C2Y44	181P352030	C-ELEC - 16V 47M-M	
C3A11	181P352040	C-ELEC - 16V 100M-M	
C3A15	181P124020	C-ELEC-NP - 50V 4.7M-M	
C3A27	181P352060	C-ELEC - 16V 330M-M	
C3A30	181P352040	C-ELEC - 16V 100M-M	
C3A38	181P124020	C-ELEC-NP - 50V 4.7M-M	
C3E09	172P262050	C-M-POLY - 50V 0.1M-J	
C3E11	172P262050	C-M-POLY - 50V 0.1M-J	
C3E12	172P262050	C-M-POLY - 50V 0.1M-J	
C3E14	172P262050	C-M-POLY - 50V 0.1M-J	
C4A04	172P262050	C-M-POLY - 50V 0.1M-J	
C4A05	172P262050	C-M-POLY - 50V 0.1M-J	
C4A10	181P352030	C-ELEC - 16V 47M-M	
C4A14	181P352030	C-ELEC - 16V 47M-M	
C4A34	181P352030	C-ELEC - 16V 47M-M	
C4A35	172P262090	C-M-POLY - 50V 0.22M-J	
C4B01	172P262000	C-M-POLY - 50V 0.039M-J	
C4B02	181P358000	C-ELEC - 35V 1000M-M	
C4B13	172P262020	C-M-POLY - 50V 0.056M-J	
C5A03	**142P020050**	**C-CER - B50V 470P-K**	
C5A13	181P352040	C-ELEC - 16V 100M-M	
C5A21	172P262050	C-M-POLY - 50V 0.1M-J	
C5A31	172P580050	C-M-PLA-PP - 1800V 1500P-J	
C5A32	172P581030	C-M-PLA-PP - 1800V 3300P-J	
C5A33	172P581030	C-M-PLA-PP - 1800V 3300P-J	
C5A34	154P262000	C-CER - R2KV 220P-K	
C5A35	142P011070	C-CER - B500V 2200P-K	
C5A39	142P011000	C-CER - B500V 560P-K	
C5A40	142P011000	C-CER - B500V 560P-K	
C5A42	181P352030	C-ELEC - 16V 47M-M	
C5A51	**154P260010**	**C-CER - R1KV 220P-K**	
C5A52	**172P460010**	**C-M-PLA-PP - 2000V 1000P-J**	
C5A53	**172P460030**	**C-M-PLA-PP - 2000V 1200P-J**	
C5A54	185D120010	C-ELEC - H160V 330M-M 105C	
C5A55	172P088060	C-PLAST-PP - 630V 6800P-J	
C5A60	**172P262050**	**C-M-POLY - 50V 0.1M-J**	

Ref #	Part #	Part Name & Description	[#]
C5A64	**181P352010**	**C-ELEC - 16V 22M-M**	
C5A70	**172P384030**	**C-M-POLY - 100V 3.3M-K**	
C5A71	**172P262060**	**C-M-POLY - 50V 0.12M-J**	
C5H16	172P186030	C-PLAST-PP - 200V 0.01M-K	
C5H20	181P352040	C-ELEC - 16V 100M-M	
C5H22	155P112090	C-CER - 500V 56P-J	
C5H24	181P192060	C-ELEC - 200V 22M-M	
C5K03	181P352040	C-ELEC - 16V 100M-M	
C5K12	181P352040	C-ELEC - 16V 100M-M	
C5K14	181P352030	C-ELEC - 16V 47M-M	
C6B02	181P195040	C-ELEC - 350V 4.7M-M/Q	
C6B04	181P352030	C-ELEC - 16V 47M-M	
C6B23	181P352030	C-ELEC - 16V 47M-M	
C6G02	181P195040	C-ELEC - 350V 4.7M-M/Q	
C6G04	181P352030	C-ELEC - 16V 47M-M	
C6G23	181P352030	C-ELEC - 16V 47M-M	
C6M03	181P352030	C-ELEC - 16V 47M-M	
C6M24	181P352030	C-ELEC - 16V 47M-M	
C6M48	181P352040	C-ELEC - 16V 100M-M	
C6P03	181P352030	C-ELEC - 16V 47M-M	
C6P24	181P352030	C-ELEC - 16V 47M-M	
C6R02	181P195040	C-ELEC - 350V 4.7M-M/Q	
C6R04	181P352030	C-ELEC - 16V 47M-M	
C6R23	181P352030	C-ELEC - 16V 47M-M	
C7A90	181P352050	C-ELEC - 16V 220M-M	
C7B41	181P352030	C-ELEC - 16V 47M-M	
C7B77	181P352030	C-ELEC - 16V 47M-M	
C7C02	181P352030	C-ELEC - 16V 47M-M	
C7C12	181P352030	C-ELEC - 16V 47M-M	
C7C14	181P352030	C-ELEC - 16V 47M-M	
C7C15	181P352030	C-ELEC - 16V 47M-M	
C7C16	181P352030	C-ELEC - 16V 47M-M	
C7C18	181P352030	C-ELEC - 16V 47M-M	
C7C26	181P352030	C-ELEC - 16V 47M-M	
C7C30	181P350010	C-ELEC - 16V 4700M-M	
C7C40	181P352030	C-ELEC - 16V 47M-M	
C7K01	181P352030	C-ELEC - 16V 47M-M	
C7K11	172P262050	C-M-POLY - 50V 0.1M-J	
C7K23	181P352030	C-ELEC - 16V 47M-M	
C7K25	172P262050	C-M-POLY - 50V 0.1M-J	
C7K26	172P262050	C-M-POLY - 50V 0.1M-J	
C8A06	181P352030	C-ELEC - 16V 47M-M	
C8A39	181P352030	C-ELEC - 16V 47M-M	
C8A43	172P262050	C-M-POLY - 50V 0.1M-J	
C8A46	181P352030	C-ELEC - 16V 47M-M	
C8A48	181P352030	C-ELEC - 16V 47M-M	
C8C03	181P358000	C-ELEC - 35V 1000M-M	
C8C05	181P358000	C-ELEC - 35V 1000M-M	
C8C18	181P358000	C-ELEC - 35V 1000M-M	
C8C20	181P358000	C-ELEC - 35V 1000M-M	
C8C43	142P020080	C-CER - B50V 820P-K	
C8C44	142P020080	C-CER - B50V 820P-K	
C8C45	142P020080	C-CER - B50V 820P-K	
C8C46	142P020080	C-CER - B50V 820P-K	
C8C47	142P020080	C-CER - B50V 820P-K	
C8C48	142P020080	C-CER - B50V 820P-K	
C8D25	181P352030	C-ELEC - 16V 47M-M	
C8D32	181P352030	C-ELEC - 16V 47M-M	
C8D34	181P352030	C-ELEC - 16V 47M-M	
C9A05	**189P185070**	**C-CER - 250VAC 1000P-M**	

[#] Model Legend: (1) WS-55908, (2) WS-65908

Ref #	Part #	Part Name & Description	[#]
C9A06	**189P185070**	**C-CER - 250VAC 1000P-M**	
C9A07	**189P153040**	**C-M-POLY - 250VAC 0.1M-M**	
C9A08	**189P185090**	**C-CER - 250VAC 2200P-M**	
C9A09	**189P185090**	**C-CER - 250VAC 2200P-M**	
C9A10	**189P185090**	**C-CER - 250VAC 2200P-M**	
C9A11	**189P185090**	**C-CER - 250VAC 2200P-M**	
C9A12	185D122050	C-ELEC - H200V 1000M-M 105C	
C9A13	**189P152070**	**C-M-POLY - 250VAC 0.01M-M**	
C9A14	**189P152070**	**C-M-POLY - 250VAC 0.01M-M**	
C9A20	**189P152070**	**C-M-POLY - 250VAC 0.01M-M**	
C9A24	142P020050	C-CER - B50V 470P-K	
C9A33	181P352070	C-ELEC - 16V 470M-M	
C9A35	181P352040	C-ELEC - 16V 100M-M	
C9A40	181P352080	C-ELEC - 16V 1000M-M	
C9A42	181P352040	C-ELEC - 16V 100M-M	
C9A50	**142P020050**	**C-CER - B50V 470P-K**	
C9A53	185D122050	C-ELEC - H200V 1000M-M 105C	
C9A54	154P260080	C-CER - R1KV 3300P-K	
C9A55	142P020070	C-CER - B50V 680P-K	
C9A58	185D163020	C-ELEC - H50V 4700M-M 105C	
C9A62	181P195080	C-ELEC - 350V 47M-M/Q	
C9A63	185D121020	C-ELEC - H180V 470M-M 105C	
C9A69	181P358030	C-ELEC - 35V 4700M-M	
C9A73	181P358030	C-ELEC - 35V 4700M-M	
C9C01	181P352030	C-ELEC - 16V 47M-M	
C9C02	181P352030	C-ELEC - 16V 47M-M	
C9C04	181P352030	C-ELEC - 16V 47M-M	
C9C05	181P352030	C-ELEC - 16V 47M-M	
C9C10	181P352030	C-ELEC - 16V 47M-M	
C9C20	181P352030	C-ELEC - 16V 47M-M	
C9D00	**189P153040**	**C-M-POLY - 250VAC 0.1M-M**	
C9D01	**189P153040**	**C-M-POLY - 250VAC 0.1M-M**	
CF6M01	299P128010	CERAMIC-OSC - CSB500F2	
CF6P01	299P128010	CERAMIC-OSC - CSB500F2	
		SWITCHES	
S7K01	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L01	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L02	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L03	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L04	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L05	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L06	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L07	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L08	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L09	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L10	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L11	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L12	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L13	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L21	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L22	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L23	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L24	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L25	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L26	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L27	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L28	432P089010	SW-KEY-BOARD - PUSH-ON	
S7L29	432P089010	SW-KEY-BOARD - PUSH-ON	

Ref #	Part #	Part Name & Description	[#]
		MISCELLANEOUS	
	189P078010	C-M-PLA-PP - 200V 10M-K TWEETER CAP	
	246C351030	AC-POWER-CORD	
	305P702010	2RF-SW - BT9-0004-1	
	330P276010	**DEFL-YOKE**	
	338P046030	SVM COIL - G&B	
	338P051010	SVM COIL - GREEN	
	338P051020	SVM COIL - RED	
	411D033010	CORE-FERRITE	
	411D044010	CORE-FERRITE	
	449C141030	**SOCKET-CRT**	
	453B035010	**CAP-ANODE - SHORT - RED**	
	453B035020	**CAP-ANODE - LONG - G&B**	
	453C021030	**LEAD-ANODE - FBT-HV**	
	480P057010	SPEAKER - LARGE	
	480P058010	SPEAKER - SMALL	
	490P212010	LEN-BARREL-RED	
	490P212020	LEN-BARREL-GREEN	
	490P174090	LENS - BLUE	
	589C062010	CASTER	
	597D843010	STIFFENER-MIRROR - 3/4"X3/4" TUBING	2
	622C076010	BRACKET-SVM	
	622D748030	CUSHION	
	642C340010	BOARD-MIRROR	2
	642C352010	CLIP-MIRROR	1
	669D514070	SCREW-MIRROR BOARD	2
	762B354010	BACK BOARD	2
	762B354020	BACK BOARD	1
	767D048090	MIRROR - 65"	2
	767D055040	MIRROR - 55"	1
	920P016010	**HV-BLOCK - MSC102**	
AG5K00	224D019040	AIR-GAP - 2.0+-0.5KV S.LEAD	
F5A00	**283P043060**	**FUSE - LF251 3A**	
F5A01	**283P043060**	**FUSE - LF251 3A**	
F9A01	**283P044010**	**FUSE - LF251 7A**	
F9A02	**283P044020**	**FUSE - LF251 10A**	
F9A03	**283P043090**	**FUSE - LF251 5A**	
F9A04	**283P043090**	**FUSE - LF251 5A**	
F9A05	**283P043090**	**FUSE - LF251 5A**	
F9A06	**283P044010**	**FUSE - LF251 7A**	
F9D00	**283D131040**	**FUSE - S10A 125A**	
K9A50	**287P049080**	**RELAY-POWER - DG12D1-0(M)**	
PC9A20	**268P058020**	**PHOTO-COUPLER - ON3131-R/ON3161-R**	
PC9A50	**268P058020**	**PHOTO-COUPLER - ON3131-R/ON3161-R**	
PC9A51	268P058020	PHOTO-COUPLER - ON3131-R/ON3161-R	
PJ2J01	440C386030	PIN-JACK-BOARD-6P-2S	
PJ2J02	440C386040	PIN-JACK-BOARD-6P-1S	
PJ2J03	440C387020	I-S-CONNECTOR	
PJ2J04	440C383020	PIN-JACK-BOARD-2P	
PJ2J06	440C383040	PIN-JACK-BOARD-2P	
PJ2J07	440C385030	PIN-JACK-BOARD-6P	
PJ2J08	440C383040	PIN-JACK-BOARD-2P	
PJ2J09	440C383020	PIN-JACK-BOARD-2P	
PJ2J10	440C385040	PIN-JACK-B0ARD-6P	
PJ2J11	440C231010	JACK-3PIN - FRONT A/V INPUT	
PJ2J11	440C383020	PIN-JACK-BOARD-2P	
PJ2J11	440C384010	PIN-JACK-BOARD-3P-1S	
PJ2J12	440C383020	PIN-JACK-BOARD-2P	
PJ7A00	451C129010	JACK-MINI - AV NET/IR BLAST	

[#] Model Legend: (1) WS-55908, (2) WS-65908

Ref #	Part #	Part Name & Description	[#]
PJ7A01	451C129010	JACK-MINI - AV NET/IR BLAST	
PJ7A02	451C129010	JACK-MINI - AV NET/IR BLAST	
PT7A10	264P723010	D-LED - SFH310-3	
TU1A01	**295P500010**	**TUNER-RF - ENG26515G**	
TU1B01	**295P500010**	**TUNER-RF - ENG26515G**	
X2031	285P374050	QUARTS-CRYST - 20.000MHZ	
X3A01	299P208010	CERAMIC-OSC - C5B503F58	
X6C26	285P374020	QUARTZ-CRYST - 3.579545MHZ	
X6P26	285P374020	QUARTZ-CRYST - 3.579545MHZ	
X7A01	285P029030	QUARTZ-CRYST - 4.000000MHZ	
X7H00	285P335040	QUARTZ-CRYST - 60.000MHZ	
X7H01	285P335050	QUARTZ-CRYST - 80.000MHZ	
X8N01	285P391010	OSC - DSO751SV 24.576 MHZ	
X8S01	285P391020	OSC - DSO751SV 33.333 MHZ	
Z7K01	939P617010	UNIT-PREAMP - GP1U283Q	

PRINTED CIRCUIT BOARD

930B866008	ASSY-PWB-MAIN	
930B867001	ASSY-PWB-POWER	
930B868003	ASSY-PWB-SIGNAL	
935C907001	ASSY-PWB-CRT	
935C908001	ASSY-PWB-2HDW	
935C915003	ASSY-PWB-TERMINAL	
935C916001	ASSY-PWB-BITMAP	
935D519003	ASSY-PWB-PREAMP	
935D520003	ASSY-PWB-SVM	
935D521004	ASSY-PWB-DBF	
935D522001	ASSY-PWB-JUNGLE	
935D523001	ASSY-PWB-CONV-GENE	
935D525003	ASSY-PWB-FRONT	
935D525004	ASSY-PWB-FRONT	
935D526002	ASSY-PWB-CONTROL	
935D527002	ASSY-PWB-DISPLAY	
935D528002	ASSY-PWB-AI	
935D531001	ASSY-PWB-3DYC/MD	
935D536002	ASSY-PREAMP2	

Ref #	Part #	Part Name & Description	[#]

COSMETIC PARTS

242D483020	IR-MOUSE	
641C474030	DAMPER-CONTROL-PANEL	
702A383010	COVER-CONTROL	
702A384010	DOOR-CONTROL	
702A392010	PANEL-TERMINAL	
704B147010	KNOB-POWER	
752A001010	UNIT-FRONT-TOP	1
752A003010	UNIT-FRONT-TOP	2
752C244010	UNIT-FLIP-PANEL-CONT	
760B259010	OVERLAY - PANEL-CONTROL	
761A174010	GRILLE-SP-LEFT - 55"	1
761A174020	GRILLE-SP-RIGHT - 55"	1
761A175010	GRILLE-SP-LEFT - 65"	2
761A175020	GRILLE-SP-RIGHT - 65"	2
761C437010	CATCH-DOOR	
762B358010	UNIT-FRONT	1
762B358020	UNIT-FRONT	2
803B878010	CUSHION	
871D314010	SHEET-CABLE	
622C061010	CLIP-CABINET - RIGHT COVER	2
622C061020	CLIP-CABINET - LEFT COVER	2

ACCESSORIES

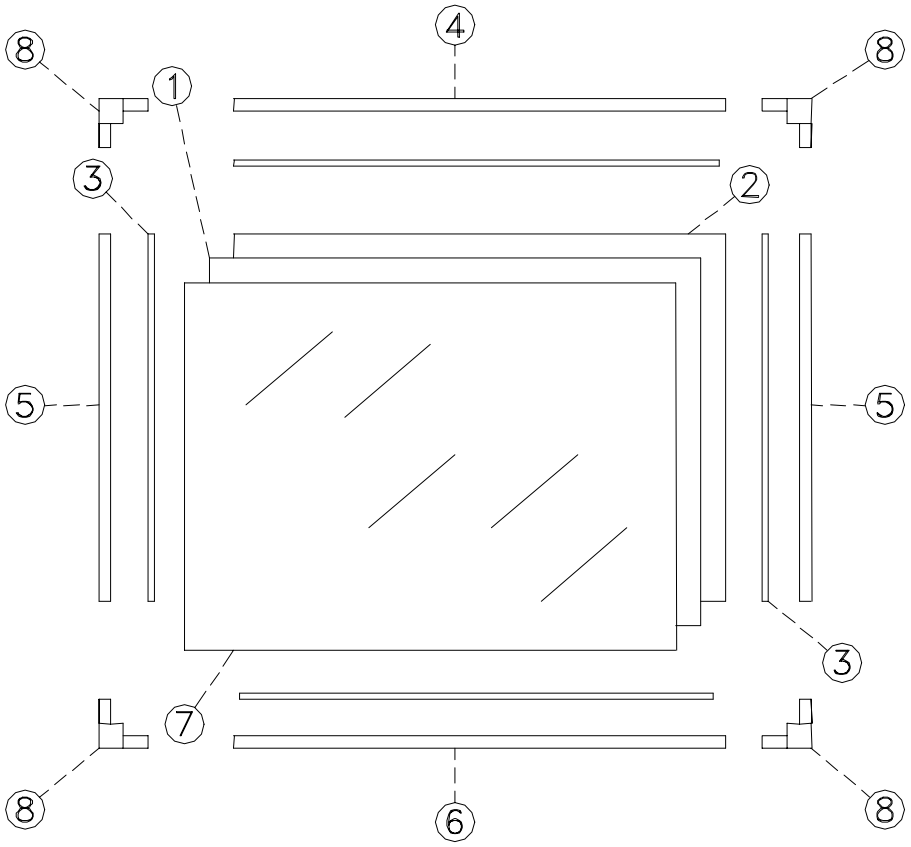
290P103020	REMOTE CONTROL	
853B291010	REGISTRATION-CARD	
871B195010	IB - OWNERS GUIDE	2
871D297030	IB - OWNERS GUIDE	

[#] Model Legend: (1) WS-55908, (2) WS-65908

SCREEN ASSEMBLY PARTS

WS-55908

Ref #	Part #	Part Name & Description	
(1)	491P103010	SCREEN-LENTICULAR	1
(2)	491P104010	LENS-FRESNEL	1
(3)	622D746080	CLIP-SCREEN-SIDES	1
(4)	711C029040	FRAME-SCREEN-TOP - 55"	1
(5)	711C029050	FRAME-SCREEN-SIDES - 55"	1
(6)	711C029060	FRAME-SCREEN-BOTTOM - 55"	1
(7)	760D635010	DIAMOND SHIELD	1
(8)	768C065010	CAP-CORNER	

WS-65908

Ref #	Part #	Part Name & Description	
(1)	491P105010	SCREEN-LENTICULAR	2
(2)	491P106010	LENS-FRESNEL	2
(3)	622D746020	CLIP-SCREEN-SIDES	2
(4)	711C026040	FRAME-SCREEN-TOP - 65"	2
(5)	711C026050	FRAME-SCREEN-SIDES - 65"	2
(6)	711C026060	FRAME-SCREEN-BOTTOM - 65"	2
(7)	760D635020	DIAMOND SHIELD	2
(8)	768C065010	CAP-CORNER